



# भारत का राजपत्र

## The Gazette of India

प्राधिकार से प्रकाशित  
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नई दिल्ली, शनिवार, नवम्बर 5, 1994 (कार्तिक 14, 1916)

No. 45]

NEW DELHI, SATURDAY, NOVEMBER 5, 1994 (KARTIKA 14, 1916)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके  
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

### भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस .  
[Notifications and Notices Issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE  
PATENTS AND DESIGNS

Calcutta, the 5th November 1994

Patent Office Branch,  
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Madras-600002.

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Floor, 234/4, Acharya Jagadish  
Bose Road, Calcutta-700020.

The States of Gujarat, Maharashtra and Madhya  
Pradesh and the Union Territories of Goa, Daman and  
Diu and Dadra and Nagar Haveli.

Rest of India.

Telegraphic address "PATOFFICE".

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Patent Office Branch,  
Unit No. 401 to 405, III Floor,  
Municipal Market Building,  
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All applications, notices, statements or other documents  
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Telegraphic address "PATENTOFIS"

## पेटेंट कार्यालय

एकस्य तथा अभिकल्प

कलकत्ता, दिनांक 5 नवम्बर 1994

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ता में अवस्थित है तथा बम्बई, दिल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रवर्णित हैं :—

पेटेंट कार्यालय शाखा, टोडी इस्टेट,  
तीसरा तल, लोअर परबे (पश्चिम),  
बम्बई-400013 ।

गुजरात, महाराष्ट्र तथा मध्य प्रवेश राज्य  
क्षेत्र एवं संघ शासित क्षेत्र गोवा, दमन तथा  
दीव एवं दादरा और नगर हवेली ।

तार पता—“पेटेंटोफिस”

पेटेंट कार्यालय शाखा,  
एकक सं. 401 से 405, तीसरा तल,  
नगरपालिका बाजार भवन,  
सरस्वती मार्ग, करोल बाग,  
नई दिल्ली-110005 ।

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर,  
पंजाब, राजस्थान तथा उत्तर प्रदेश राज्य क्षेत्रों  
एवं संघ शासित क्षेत्र चण्डीगढ़ तथा दिल्ली ।

तार पता—“पेटेंटोफिक”

पेटेंट कार्यालय शाखा,  
61, वालाजाह रोड,  
मद्रास-600002 ।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु राज्य  
क्षेत्र एवं संघ शासित क्षेत्र पाण्डिचेरी, लक्षद्वीप,  
मिनिकाय तथा एमिनिदिनि द्वीप ।

तार पता—“पेटेंटोफिस”

पेटेंट कार्यालय (प्रधान कार्यालय),  
निजाम पैलेस, द्वितीय बहुतलीय कार्यालय,  
भवन 5, 6 तथा 7वां तल,  
234/4, आचार्य जगदीश बोस रोड,  
कलकत्ता-700020 ।

भारत का अवशेष क्षेत्र ।

तार पता—“पेटेंट्स”

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में अपे-  
क्षित सभी आवेदन-पत्र, सूचनाएं, विवरण या अन्य प्रलेख पेटेंट  
कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किए जाएंगे ।

**शुल्क :—**शुल्कों को अदायगी या तो नकद की जाएगी अथवा  
उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य धनादेश अथवा  
ड्राफ्ट आवेदन या जहां उपयुक्त कार्यालय अवस्थित है; उस स्थान  
के अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट  
अथवा बैंक द्वारा की जा सकती है ।

## SPECIAL NOTICE

The members of General Public and all concerned are hereby informed that all the printed patent specification shall be priced at Rs. 30/- per copy instead of Rs. 2/- per copy. The revised price shall come into force with effect from 5th November, 1994.

## CORRIGENDUM

Under the heading “PATENT SEALED” in the Gazette of India, Part—III Sec.—2 dated 16-9-94 delete Patent No. 172927.

APPLICATION FOR PATENT FILED AT THE HEAD  
OFFICE 234/4, ACHARYA JAGADISH BOSE ROAD,  
CALCUTTA-20

The dates shown in the crecent branch are the dated claimed  
under Section 135. of the Patent Act, 1970.

2nd September, 1994

701/Cal/94. Pro-Neuron, Inc. The Process of preparing a  
Pharmaceutical compound for treatment of che-  
motherapeutic Agent and antiviral agent Toxicity.  
(Divided out of No. 673/Cal/92; antedated to  
6-7-1992.)

702/Cal/94. Robert E. Willow. Compound Geometry Rail  
Switch.

703/Cal/94. EMS Inventa Ag. Flat filter and filter support-  
ing element for it.

704/Cal/94. The Mead Corporation. A Carton for containers  
such as cans or bottles.

705/Cal/94. 'Info' Telecom. Method for Increasing the endu-  
rance of an information receiver, particularly for  
radio paging, and corresponding receiver.  
5th September, 1994

706/Cal/94. Toyo Denki Industrial Co. Ltd. Liquid Im-  
mersed pump.

707/Cal/94. (1) Reinhard Konig, (2) Friedrich Konig, (3)  
George Konig. Centrifugal pot spinning process  
and device for this purpose.

708/Cal/94. Vangala Pattabhi. Light weight prefabricated  
panels and method of manufacture of the same.

709/Cal/94. Vangala Pattabhi. Improved light weight sand-  
wiched panels.

710/Cal/94. James Nicholas Macri. An apparatus for deter-  
mining if a pregnant woman is at significant risk  
of carrying a fetus with down syndrome. (Divided  
out of No. 45/Cal/90; antedated to 16-1-1990).

711/Cal/94. Cornelius Jacobus Du Plessis. Apparatus and process for activation and reactivation of wet or dry carbon by electrical resistance heating in the presence of steam.

6th September, 1994

712/Cal/94. Erowa Ag. Driving Apparatus.

713/Cal/94. Unilearn, Inc. A computer controlled video interactive learning system.

7th September, 1994

714/Cal/94. Spherilene S.r.l. Process for the preparation of ethylene polymers and products obtained therefrom.

715/Cal/94. Spherilene S.r.l. Process for the preparation of elastomeric copolymers of ethylene and products obtained therefrom.

716/Cal/94. Saint-Gobain Vitrage of "Les Miroirs". Glass compositions intended for the production of panes.

8th September, 1994

717/Cal/94. Combustion Engineering, Inc. Internal particle collecting cells for circulating fluid bed combustion.

718/Cal/94. Hasso Von Blucher and Ernest de Rutter. Method and materials for the decontamination of polluted rooms.

719/Cal/94. Motive Holdings Limited. Variable valve lift mechanism for internal combustion engine.

720/Cal/94. Michael C. Hurwitz, David P. Goodrich, Roger E. Jester, and James P. Devine. Method and apparatus for producing individual rolls of packing material.

9th September, 1994

721/Cal/94. Ashru Bindu Majhi. The energy due to gravity.

722/Cal/94. Philips Electronics N. V. Luminaire.

723/Cal/94. Degussa Aktiengesellschaft. Precipitated silicas.

724/Cal/94. Hoechst Aktiengesellschaft. Mixtures of fiber-reactive dyes and use thereof for dyeing fiber materials.

725/Cal/94. Hoechst Aktiengesellschaft. Mixtures of Fiber-reactive dyes and use thereof for dyeing fiber materials.

726/Cal/94. Johnson & Johnson Medical, Inc. Wound Implant Materials. (Convention No. 9319447.0; dated 21-9-1993; (U.K.).

727/Cal/94. Cytec Technology Corp. Multimodal emulsions and processes for preparing multimodal emulsions.

728/Cal/94. Orient General Industries Limited. Improvements relating to ceiling fans.

12th September, 1994

729/Cal/94. Hoechst Aktiengesellschaft. Preparation of Acetoacetylarnides.

730/Cal/94. S.N.C. Melchoir Technogie. Improvement to internal combustion engines.

731/Cal/94. As sydvaranger. Method for production of FeSi.

732/Cal/94. Hoechst Aktiengesellschaft. Water-soluble, metal-free phthalocyanine dyes. preparation thereof and use thereof.

733/Cal/94. Siemens Aktiengesellschaft. Process for milling a turbine-blade profile, prolata along a main axis. (Convention No. 93115743.2; dated 29-9-1993; Great Britain).

734/Cal/94. (1) The Australian National University and (2) Westeralian Sands Limited. Ilmenite Processing using cold Milling. (Convention No. PM 1177/93; dated 13-9-1993 Australia).

735/Cal/94. Armel S.A. Multiple Branch Peptide Constructions for use against HIV. (Convention No. 9318901.7; dated 13-9-93; U.K.).

736/Cal/94. Highview Developments Limited. An Electric Generator. (Convention No. 248647; dated 13-9-93; New Zealand).

15th September 1994

737/Cal/94. Ascom Tech Ag, Gesellschaft Fur Industrielle Forschung & Technologien Der Ascom. A Switching device for digital Data Networks and asyn chronous transfer mode.

738/Cal/94. Combustion Engineering, Inc. Heat Recovery.

739/Cal/94. Critikon, Inc. Catheter with stick protection.

740/Cal/94. Siemens Aktiengesellschaft. Method for operating a gas turbine with feeding an additive.

741/Cal/94. Siemens Aktiengesellschaft. Servomotor. in particular for a rapid-action stop valve.

742/Cal/94. Coldstar Co. Ltd. Cooling air ventilation device for induction heating jar.

743/Cal/94. Goldstar Co. Ltd. Device for adjusting hinge spring force of electric jar having push-button lid.

744/Cal/94. Caroma Industries Limited. A hydraulic valve. (Convention No. PM 1316; dated 20-9-1993; Australia).

16th September, 1994

745/Cal/94. Prasad Pashupati Nath. Computer Radio & Soft-ware.

746/Cal/94. Hasso Von Blucher and Ernest De Rutter. Method and materials for the decontamination of polluted rooms.

747/Cal/94. Goldstar Co. Ltd. A temperature compensation device and method for maintaining warmth of an inverter cooker.

748/Cal/94. Measurement Technology International. Fluid flow meter.

749/Cal/94. Goldstar Co. Ltd. Inverter cooker with a high voltage/Low voltage separating device.

APPLICATIONS FOR PATENTS FILED IN THE PATENT OFFICE BRANCH, AT TODI ESTATES, THIRD FLOOR SUN MILL COMPOUND, LOWER PAREL(W), BOMBAY-13.

1-8-1994

346/BOM/94	Ashok Ramcsh Sanadi.	Method and apparatus for preventing cross contamination of multi-well plates.
347/BOM/94	Rajendra Somani	An easy to pen end/lid for cans/containers.
348/BOM/94	Indian Petro-Chemicals Corporation Ltd.	A continuous process for the treatment of waste water to produce a purified stream.

2-8-1994

349/BOM/94	Rajendra Bhalchandra Kale.	Fishnet making machines.
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Application will be post dated & actual date of filing will be communicated Later.

3-8-1994

350/BOM/94	Viral Hashmukhray Mehta & Jayavant Shantilal Parajia.	Device for sensing analysing & processing data, derived from vane type flow meters.
351/BOM/94	Hindustan Lever Ltd.	Cosmetic Composition.
352/BOM/94	Do.	Do.
353/BOM/94	Do.	Do.
354/BOM/94	Do.	Do.
355/BOM/94	Do.	Composition.

4-8-1994

356/BOM/94	A.K. Gupta	Combination fridge.
357/BOM/94	Do.	Indoor dress drier.

5-8-1994

358/BOM/94	Naren Shriram Shikarkhane.	Improved laser vernier.
359/BOM/94	(Mrs)Shubhade Ashok Kelkar & (Mrs) Aruna Sadanand Bhawe.	Device for collecting steam condensate and storing the same at high temperature and under pressure for further use.

8-8-1994

360/BOM/94	Madhuri Gajendra Mehta.	Electronic Melody Candle.
361/BOM/94	Klass Equipment (P) Limited.	A process of indelibly marking a plastic film coated on one surface with a pressure sensitive adhesive—
362/BOM/94	Dr. Bhagchand Nathulalji Jain.	Solar Absorber-cum-evaporation enhancer.

8-8-1994

363/BOM/94	Vinoo Kumar	A reliable & effective tamper proof seal for gas cylinder particularly liquified petroleum gas cylinder.
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364/BOM/94	M/s. J.B. Chemicals & Pharmaceuticals Limited.	A process for the preparation of X <sup>14</sup> -(6-methoxy-2-naphthyl)-butan-2-one."
365/BOM/94	Do.	A process for the preparation of "11-N-(ethoxy-1 carbonyl)-4-piperidylidene)-8-chloro-6, 11-dihydro-5H-benzo (5, 6)-cyclohepta (1, 2-b)-pyridine."
366/BOM/94	Do.	A process for the preparation of "5-methoxy-2 (4 methoxy-3, 5 dimethy 1-2 pyridiny) Methyl) sulfinyl -1H benzimidazole."
367/BOM/94	Do.	A process for the preparation of "DOSAGE FORMS WITH IMPROVED DRUG DELIVERY."
368/BOM/94	Do.	A process for the preparation of "(S) 1(N <sup>2</sup> —1-carboxy-3 phenylpropyl)L-lysyl L-proline".
369/BOM/94	Do.	A process for the preparation of "(6R 7R) 7-[2-(2-amino 4 thiazolyl) 2-(Z-methoxyimine) acetamido]3-2,(2, 5 dihydro-6-hydrox 2-methyl 5-oxo-as-triazin-3yl) thio] methyl)-8-oxo-5-thia-1 azabicyclo (4.2.0) Oct-2-ene-2-carboxylic acid."
370/BOM/94	Do.	A process for the preparation of a "N sulfamoyl 3—(2 guanidino-thiazol-4-yl) methylthio] propionamide."
371/BOM/94	Do.	A process for the preparation of "8-chloro 11-(4 methyl-1 piperazinyl) 5H dibenzo (b, c) (1, 4) diazepine
372/BOM/94	Do.	A process for the preparation of a "Novel dosage form useful for delayed drug delivery".
373/BOM/94	Unique Pharmaceutical Laboratories Limited.	A novel process for the preparation of 'A new generation of fertilizers" from a novel source.
374/BOM/94	Do.	A novel process for the preparation of "KARANJ seed extracts as Fungicide.
375/BOM/94	Do.	A novel process of extraction of naturally occurring TRIAL Contanol and its homologues from a newly developed source rice barn.
376/BOM/94	Do.	An improved process for the manufacture of water based formulation of crude neem extract as an insecticide.
377/BOM/94	Do.	A Scientific novel method for collection of INDIAN NEEM SEEDS.
9-08-94		
378/BOM/94	Ravindrakumar Ramjibhai Yadav	A Soap cake provided with hold thereby facilitating with hold thereby facilitating its hanging on a peg creating clean and economic soap keeping system.
379/BOM/94	Dinesh Patel	Spherical vane propulsion system.
380/BOM/94	Hindustan lever limited U.K. Priority dt. 18-8-93	Granular detergent compositions containing zeolite & process for their preparation.

## 10-08-94

381/BOM/94	Dilip Shantarm Dahanukar	Process for manufacturing non toxic water soluble foliar spray concentrate known as 'LEAFPEP' for immunizing agricultural crops against attack by fungal disease and LEAFPEP Concentrate made by said process.
382/BOM/94	Do.	Process for roasting puffing small balls of cereals forming instant snack food and pressure roaster for carrying out said process & small balls of puffed cereals made by said process.
383/BOM/94	Do.	Process for manufacturing powdered organic manure for creating soil inoculum & method of using such manure to improve soil fertility & resistance to invasion by fungus causing plant diseases.
384/BOM/94	Do.	"Hermetically sealable pouch for free flowing liquids".

## 11-08-94

385/BOM/94	Gur Kanwarpal Kripal Singh & Vijay K. Deshpande	A programmed electronic voltage sensing device for protecting compressors.
386/BOM/94	Hindustan Antibiotics Ltd.	An improved method for extraction of D-Amino acid oxidase from trigonopsis variable cells.
387/BOM/94	Hindustan Lever Limited U.K. Priority dt. 13-8-93	Sunscreen Agents.
388/BOM/94	Hindustan Lever Ltd. U.K. Priority dt. 13-8-93	Do.

## 12-08-94

389/BOM/94	Deepak nitrite Limited.	Reduction of nitro aromatic compounds under neutral conditions.
390/BOM/94	Bhabha Atomic Research Centre	A process for the preparation of an aqueous emulsion pressure sensitive adhesive.
391/BOM/94	Dilip Shantarm Dahanukar	Improved PVC (Poly-Vinyl-Chloride or the like plastic pipes for farm and/or drip irrigation system.
392/BOM/94	Sorab Cawasji Dajal	Improved Compactor.

## 16-8-1994

393/BOM/94	Ravindra kumar Ramjibhai Yadav.	A soap hanger case provided with a peg therein facilitating hanging of soap thereon.
394/BOM/94	Do.	An improvement in packing arrangement of match sticks in the match box reducing its size.
395/BOM/94	Hindustan Antibiotics Ltd.	A novel method for extraction of glutaryl acylase from escherichia coli cells.
396/BOM/94	Filterwork Mann & Hummel GmbH.	A filter insert and a method of producing the same.

## 17-8-1994

397/BOM/94	Paramahansa Tewari.	High efficiency space power generator.
398/BOM/94	Indian Petrochemicals Corporation Limited.	A single step catalyst disproportions process for the manufacture of para-xylene and benzene from toluene.

## 19-8-1994

399/BOM/94	Sumadhur Pandurang Abhyankar & Sameer Arun Joshi.	Improvements in or relating to process and equipment of bonding aluminium and or other metal sheets.
400/BOM/94	Indian Petro-chemicals Corporation Ltd.	A method for the single step catalysts alkylation of styhlbenzene and ethanol to para disthylbenzene.
401/BOM/94	Dr. C.P. Vibhute	Manufacture of fertilizer in liquid state.
402/BOM/94	Dr C.P. Vibhute & Ravichander N.	Manufacture of 100% water soluble fertilizer.
403/BOM/94	Western India Environmental Technologies Ltd.	A high rate high performance activate sludge process and multi compartment reactor for treating waste water in stages sequentially.

## 23-8-1994

404/BOM/94	Boji Rajaram	Snap-on-rail-clip to elastically fastern rail to sleeper.
405/BOM/94	Raghuvir Singh Hada.	Rotating blade stream power generatoin for power generation.
406/BOM/94	Do.	Syphon Hydrame Power Generator.
407/BOM/94	Do.	Syphon Hydrame Power Generator.
408/BOM/94	Optimum Technologies Inc.	Improved support binder.
409/BOM/94	Dilip Shantaram Dehanuker.	Automatic drip irrigation system network having oacillator/pulsator for converting high volume high pressure continuous water supply into low volume low pressure intermittent water supply.
410/BOM/94	Do.	Lance extension with an oscillator for hand held back pack spreyer.
411/BOM/94	Hindustan Lever Ltd.	Composition.
412/BOM/94	Do.	Cosmetic composition.

## 25-8-1994

413/BOM/94	Vijay Merchant of Kashmirira Ceramic Compound.	An improved yarn dyeing machine.
414/BOM/94	Anand Shripad Wagh.	The new method of size circulation for sow boxes of double sow box sizing machines.

## 26-8-1994

415/BOM/94	Varma Anilkumar Manikchand.	Improvements in or relating to safety valves.
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APPLICATIONS FOR PATENTS RECEIVED AT THE  
PATENT OFFICE BRANCH, 61, WALLAJAH ROAD,  
MADRAS-600 002

12th September, 1994

- 884/Mas/94. Alcatel Standard Electrica, S.A. Fixed cellular communications system object of the invention.
- 885/Mas/94. Hugo Baltensperger. Process for the producion of flame-retardant insulation units from organic fibres.
- 886/Mas/94. Polynor Partners AS. Process for the production of products of light cellular plastic with closed cells.

887/Mas/94. Colivier Pty. Ltd. Toilet Seat. (September 13, 1993; Ausralia).

888/Mas/94. The Dow Chemical Company. A process for the preparing a polyurethane foam. (Divisional to Patent Application No. 114/Mas/91).

13th September, 1994

- 889/Mas/94. H. S. Rajaram. Improved dining table with attached swing-arm cantilever supported seats.
- 890/Mas/94. British Telecommunications Public Limited Company. Voice Activity detector. (December 6, 1993; Uqited Kingdom).

891/Mas/94. Fluid Management Limited Partnership. Metering Method and Device.

892/Mas/94. A Ahlsrom Corporation. Ceramic filtering of gases.

893/Mas/94. Kimberly-Clark Corporation. Forming bel for three-dimensional forming applications.

894/Mas/94. Novo Nordisk A/S. Method for restructuration of raw meat for production of restructured raw meat by addition to the meat of transglutaminase.

895/Mas/94. Maschinenfabrik Rieter AG. Lifting device.

14th September, 1994

896/Mas/94. Indiana University Foundation. Method for the treatment of neoplastic disease utilising axol and tiazofurin.

897/Mas/94. Dana Corporation. Two layer combustion flange.

898/Mas/94. Maschinenfabrik Rieter AG. Methods and apparatus for the winding of filaments.

899/Mas/94. John Crane Inc. Mechanical and face seal having an improved mating ring.

900/Mas/94. Thangavelu Durairaj. Invention for teaching and learning of Inorganic Chemical Formulae known as Comprehensive Chemical Table (O.O.T.).

15th September, 1994

901/Mas/94. Owens-Brockway Glass Container Inc. Inspection of translucent containers.

902/Mas/94. Shell Internationale Research Maaschappij B.V. Process for the preparation of carbon monoxide and hydrogen.

903/Mas/94. International Business Machines Corporation. An adapter card. (Divisional to Patent Application No. 759/Mas/90).

904/Mas/94. B & T Polymers Limited. Cement products and a method of manufacture thereof. (September 16, 1993; Great Britain).

905/Mas/94. Indian Space Research Organisation. An improved process for producing dielectric substrates with multilayer antireflector coatings thereon and dielectric substrates coated hereby.

16th September, 1994

906/Mas/94. M/s. Klas Engineering Private Limited. A gearless speed reduction drive.

907/Mas/94. SIFA Sitzfabrik GmbH. Control mechanism for the seat carriers of chairs, especially swivel chairs.

908/Mas/94. SIFA Sitzfabrik GmbH. Height adjustment for the back of chairs.

909/Mas/94. Lonza Ltd. A process for preparing imidazopyridine derivatives.

910/Mas/94. Lonza Ltd. A process for preparing imidazopyridine derivatives.

911/Mas/94. Glasstech, Inc. Glass sheet bending apparatus and method.

912/Mas/94. Norton Company. Process for inducing porosity in an abrasive article.

913/Mas/94. Norton Company. Improved metal bond and metal bonded abrasive articles.

#### ALTERATION OF DATE UNDER SECTION-16

174338

Patent No. (606/Mas/92) Ante-dated to 23rd June, 1987.

#### COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the Applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form-14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, given notice to the Controller of Patents at the appropriate office on the prescribed Form-15, of such opposition. The written statement of opposition should be filed alongwith the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

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#### स्वीकृत सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि सम्बद्ध आवेदनों में से किसी पर पेटेंट अनुदान का विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से चार(4) महीने या अधिक ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र 14 पर आवेदित एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक, एकत्र को उपयुक्त कार्यालय को ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध संबंधी लिखित वक्तव्य, उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथाविहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

“प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अंतर-राष्ट्रीय वर्गीकरण के अनुरूप हैं।”

रूपांकन (चित्र आरेखों) की फोटो प्रतियां यदि कोई हों, के साथ विनिर्देशों की टंकित अथवा फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता अथवा उपयुक्त शाखा कार्यालय द्वारा विहित लिप्यान्तरण प्रभार जिसे उक्त कार्यालय से पत्र-व्यवहार द्वारा सुनिश्चित करने के उपरान्त उसकी आवश्यकता पर की जा सकती है। विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों को जोड़कर उसे 2 से गुणा करके; (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 2/- रु. है) फोटो लिप्यान्तरण प्रभार का परिकलन किया जा सकता है।



Ind. Cl. : 32 F2 (c)  
Int. Cl.<sup>4</sup> : C 07 F 9/38

174301

# A PROCESS FOR THE PREPARATION OF ETHYLENE-DIAMINE TETRAKIS (METHYLENEPHOSPHONIC ACID) OR ITS SALTS.

Applicants : SOUTHERN PETROCHEMICAL INDUSTRIES CORPORATION LTD., 97 MOUNT ROAD, MADRAS 600 032, TAMIL NADU, INDIA, AN INDIAN COMPANY.

Inventor : MOHAMMED RAFI UDDIN ANSARI  
RENGASAMY PALANIAPPAN.

Application No. 251/MAS/89 filed on 30th March 1989.  
Patent Rules, 1972) Patent office Branch, Madras.

## 12 Claims

A process for the preparation of ethylenediamic tetrakis (methylene phosphonic acid) or its salt comprising the steps of adding a strong acid of 25%—35% concentration such as hydrochloric acid, sulphuric acid, nitric acid, phosphoric acid or acetic acid to free ethylenediamine at a temperature 15°C—30°C under stirring; adding formaldehyde solution of concentration 25%—40% to the resulting ethylenediamine slurry over a period of at least 60 minutes, while maintaining the temperature of the reaction mixture below 45°C; stirring the reaction mixture thereafter at the same temperature or at a slightly higher temperature of 40°C—50°C for 30 to 90 minutes; cooling the reaction mixture to 0°C and adding phosphorous trichloride in a slow stream or dropwise thereto while maintaining the temperature at a value not exceeding 15°C and the water-phosphorous trichloride molar ratio between 4 : 1 and 8 : 1; raising the temperature of the reaction mixture in a phased manner over four successive intervals of time of at least sixty minutes each, to values up to 35°C, 50°C, 70°C and 95°C respectively; passing a stream of not compressed air or inert gas such as nitrogen or argon through the reaction mixture maintained at the temperature 80°C—90°C to expel most of the hydrogen chloride; and obtaining thereafter ethylenediamine tetrakis or a salt thereof by crystallisation or neutralisation of the said reaction mixture.

(Comp. Spen. 14 pages;

Drgs. Nil)

Ind. Cl. : 172-C,  
Int. Cl.<sup>4</sup> D 01 G 37/00

174302

# A METHOD AND APPARATUS FOR PRODUCING FIBERS OF COTTON FLOCK WITH REDUCED TACKINESS FROM COTTON FLOCKS CONTAMINATED WITH HONEYDEW.

Applicant : MACHINENFABRIK RIETER AG., A BODY CORPORATE ORGANISED UNDER THE LAWS OF SWITZERLAND, OF CH-8406 WINTERTHUR, SWITZERLAND.

Inventors : (1) FRITZ KNABENHANS, (2) OTHMAR BACHMANN

Application No. 342/MAS/89 filed May 3, 1989.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent office Branch, Madras.

## 21 Claims

A method of producing fibres of cotton flock with reduced tackiness from cotton flocks contaminated with honeydew, comprising the steps of

heating in depth the bale of moisture containing cotton flocks contaminated with honeydew by exposing said bale to a high frequency electromagnetic field;

during a first phase or said in depth heating of said bale of moisture and honeydew containing cotton flocks, bringing the honeydew to an elevated temperature and thus evaporating moisture contained in the honeydew for irreversibly reducing the stickiness of said honeydew to an insignificant degree and

2—317 GI/04

said step of heating in depth the bale of moisture and honeydew containing cotton flocks entailing the step of increasing the temperature of the cotton flocks to a temperature in the region of the boiling temperature of water and thereby reducing the moisture content of said cotton flocks to a predetermined extent.

(Com. 22 pages;

Drgs. 2 sheets)

Ind. Cl. : 28-C  
Int. Cl.<sup>4</sup> F 23 D 17/00

174303

# AN IMPROVED PROCESS BURNER

Applicant : THE DOW CHEMICAL COMPANY, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, OF 2030 DOW CENTER, ABBOTT ROAD, MIDLAND, MICHIGAN 48640, U. S. A.

Inventor : CHARLES W. LIPP

Application No. 350/MAS/89 filed May 5, 1989.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent office Branch, Madras.

## 9 Claims

An improved process burner comprising

(a) a central conduit defining a cylindrical passageway having an open discharged end closed at its upstream end except for having a fluid feed inlet, upstream of the discharge end and

(b) a middle conduit coaxial with and circumscribing at least a portion of the length of said central conduit defining an annular passageway concentric with the central passageway, said annular passageway having an open discharge end and a closed upstream end except for a fluid feed inlet, said discharge end of the annular passageway lying in the same plane as the discharge end of the central passageway;

(c) a frusto-conical conduit coaxial with and circumscribing at least a portion of the length of said middle conduit defining a frusto-conical passageway which is in fluid communication with the central passageway and which converges towards a point down-stream of the discharge end of the central and annular passageways; and

(d) an acceleration conduit defining a coaxial acceleration passageway in fluid communication with and located downstream of the central, middle and frusto-conical passageways and connected to the apex of the frusto-conical passageway, the acceleration passageway having a cross-sectional area for flow less than the combined cross-sectional areas for flow of the central, middle and frusto-conical conduits at their discharge ends, the size of the frusto-conical conduits being such that 70 to 95 weight percent of fluid flow to the central and frusto-conical passageways passes through said frusto-conical passageway.

(Com. 31 pages;

Drwgs. 2 sheets)

Ind. Cl. : 206-G  
Int. Cl.<sup>4</sup> : H 04 K 1/00

174304

# A DEVICE FOR ENCRYPTING INFORMATION SIGNALS TO PREVENT UNAUTHORIZED USE THEREOF

Applicant : MACROVISION CORPORATION, INCORPORATED IN THE STATE OF CALIFORNIA, U.S.A. OF 10201 TORRE AVENUE, SUITE 330, CUPERTINO, CALIFORNIA 95014, UNITED STATES OF AMERICA.

Inventor : JOHN O. RYAN

Application No. 364/MAS/89 filed May 9, 1989.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent office Branch, Madras.

## 18 Claims

A device for encrypting information signals to prevent unauthorized use thereof, said information signals being normally arranged as a succession of lines of active information, each line having a line timing reference and a information portion, said device comprising : generating means for

generating a offset signal for each line indicative of an amount of offset for said information portion to be time-shifted; shifting means receiving said offset signal for said information portions of at least some line with respect to the line timing reference by the amount indicated by said offset signal; and inserting means receiving said offset signal for inserting said offset signal into the time-shifted information signals thereby forming a encrypted information signal.

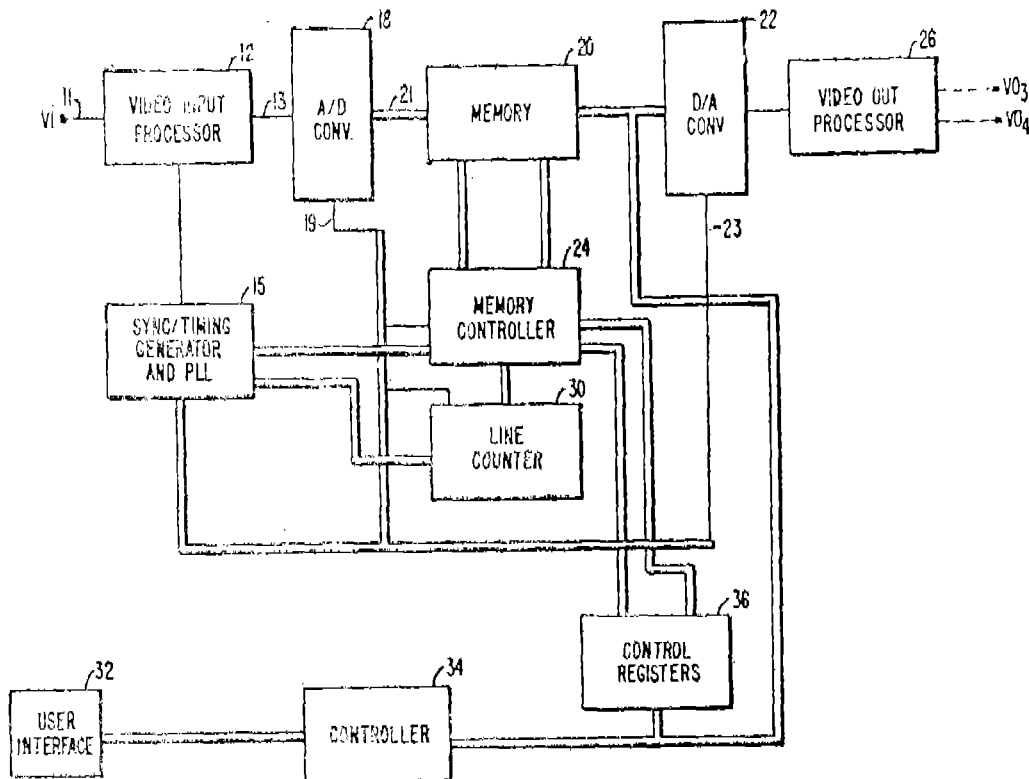


FIG. 3.

(Com. 25 pages:

Drawgs. 2 sheets)

Ind. Cl. : 181

174305

Ind. Cl. : 32 F 3(d)

174306

Int. Cl.<sup>4</sup> : F 16 J 15/54.Int. Cl.<sup>4</sup> : C 12 P 7/26

## AN ANNULAR SHAFT SEAL.

Applicant : DANA CORPORATION, INCORPORATED IN THE STATE OF VIRGINIA, U.S.A., OF 4500 DORR STREET, TOLEDO OHIO 43615, U.S.A.

Inventors : (1) JOSEPH ANTONINI, (2) PAUL GALLO.

Application No. 406/MAS/89 filed on 23rd May 1989.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras.

## 11 Claims

An annular shaft seal comprising a primary body portion having a continuous oil sealing lip radially disposed for sealing against oil flow between a bore and a shaft extending through said bore a rigid case support disposed for engaging said bore, an annular flexible portion with a plurality of annuli, connecting said sealing element with said case support to provide for radial floating of said lip with respect to said shaft relative to the case support wherein the said flexible portion and said oil sealing lip being integrally molded together to comprises a unitary molded body of an elastomeric material, said annuli defining a convoluted cross section, each adjoining pair of annuli forming a reverse bend, and one of said reverse bends has a reinforcement ring integrally molded into said reverse bend separately and apart from said case support, said reinforcement ring formed of a less elastic material than that of said flexible portion.

(Com. spec. 11 pages:

Drg. one sheet)

PROCESS FOR THE PREPARATION OF  $\gamma$ -IRONE BY ECONOMIC BIOCONVERSION.

Applicants : GIVAUDAN ROURE S. A. 55 VOIE DES BANS F-59102 ARGENTEUIL, FRANCE; A FRENCH COMPANY.

Inventors : BEATRICE BELCOUR.

DJIDIER COURTOIS, CHARLES EHRET.

Application No. 540/MAS/89 filed on 18th July, 1989.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras.

## 12 Claims

Process for the preparation of  $\gamma$ -irone by economic bioconversion, said  $\gamma$ -irone being useful in the perfume and flavour industry, comprising brining about such bioconversion by treating for 1 to 15 days iris rhizomes in the form of crushed or powdered rhizomes, parts of such rhizomes, iris extraction wastes or plant cell cultures or iris, wherein the rhizomes stem from *Iris pallida*, *Iris florentina*, *Iris germanica* or *Iris* of Verona, with a bacterial culture selected from the group consisting of *Serratia liquefaciens*, *Enterobacter cloacae*, *Escherichia coli*, *Pseudomonas fluorescens* or *Pseudomonas maltophilia*, or their active enzyme fractions obtained therefrom, in the presence of a plant cell culture medium, at a temperature in the range of 15 to 40°C, whereby

the ratio of rhizome : medium is about 1 : 20 to 2 : 1, and, optionally separating any  $\alpha$ -and/or  $\beta$ -irones from the  $\gamma$ -irones by way of extraction and/or distillation.

(Comp. Specn. 25 pages;

Drgs. one sheet)

Ind. Cl. : 109

174307

Int. Cl.<sup>A</sup> : B 24 B 9/16, G 21 H 5/00

A METHOD AND APPARATUS OF MANUFACTURING A CUT WORKPIECE SUCH AS A GEMSTONE WITH DESIRED CUTTING.

Applicant : ANSTALT GERSAN, OF STEADTLE 36, 94910 VADUZ, LIECHTENSTEIN, AN ORGANISATION EXISTING UNDER THE LAWS OF LICHTENSTEIN.

Inventor : GAUKROGER, MICHAEL PETER

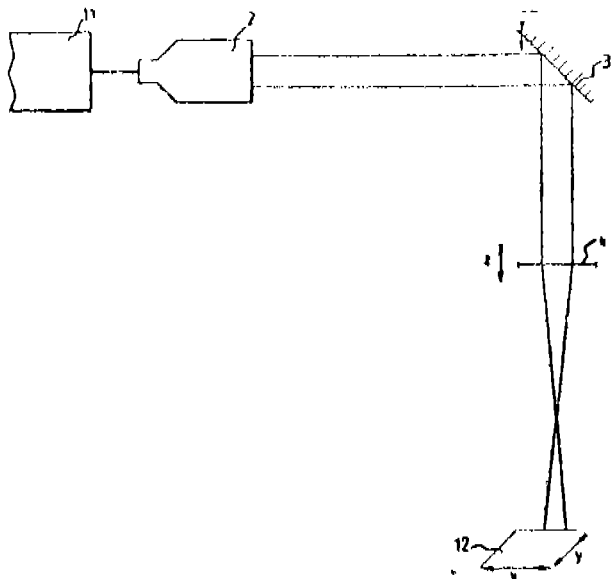
Application No. 611/MAS/89 filed August 16 1989.

Convention date : August 15, 1988; (No. 8819349; United Kingdom)

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras.

#### 10 Claims

A method of manufacturing a cut workpiece such as a gemstone with desired cutting using high energy radiation, comprising, focussing incident radiation substantially on the base of the cut, altering the focus as the cut deepens such that to focus the incident radiation substantially on the base of the cut, while moving the axis of the incident radiation relative to the cut repeatedly from a position in which it is directed towards a first side of the cut but is inclined towards the second side of the cut, to a position which it is directed towards the second side of the cut but is inclined towards the first side of the cut and back again, to obtain a cut workpiece.



(Com. 14 pages;

Drwgs. 3 sheets)

Ind. Cl. : 40-F

174308

Int. Cl.<sup>A</sup> : B 01 J 2/00

A PROCESS FOR THE PRODUCTION OF GRANULATES

Applicant : HENKEL KOMMANDITGESELLSCHAFT AUF AKTIEN, A COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF THE FEDERAL REPUBLIC OF GERMANY, OF HENKELSTRASSE 67, 4000

DUSSELDORF-HOLTHAUSEN, GERMANY.

Inventors : (1) Dr. JOCHEN JACOBS, (2) Dr. ULRICH JAHNKE (3) Dr. FRANZ-JOSEF CARDUCK

Application No. 773/MAS/89 filed October 19, 1989.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras.

#### 6 Claims

A process for the production of granulates containing fine crystalline zeolite, sodium or potassium salts of polymeric or copolymeric carboxylic acids and water comprising (a) preparing a homogeneous powder mixture of zeolite and the salt of the polymeric or copolymeric carboxylic acid in a first mixing step, (b) agglomerating the mixture thus prepared in a second mixing and granulation step and (c) drying the agglomerate to obtain a free-flowing granulate having an apparent density of 750 to 1,000 g/l containing 60 to 80% by weight zeolite (based on the anhydrous substance), 2 to 15% by weight of the sodium salt of the polymeric or copolymeric carboxylic acid and 14 to 25% by weight water including the water bound to zeolite.

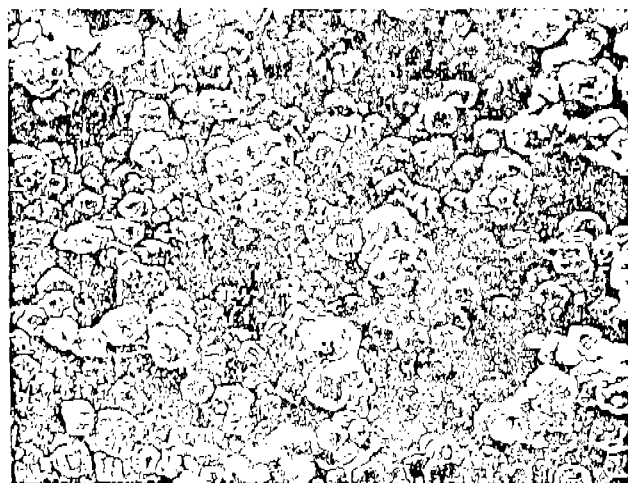


Figure 1

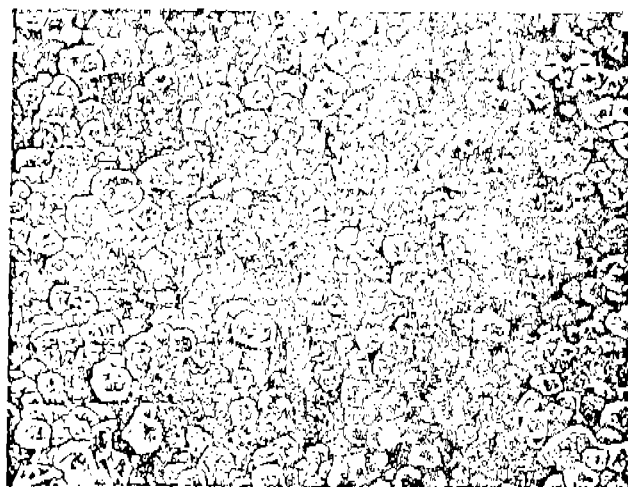


Figure 2

(Com. 15 pages;

Drwgs. 2 sheets)

Ind. Cl. : 136 A, F &amp; 90 I

74309

Int. Cl. : B 29 C 41/02

**A METHOD AND MOULD FOR CAST MOULDING A CONTACT LENS**

Applicants : BRITISH TECHNOLOGY GROUP, LTD., A UNITED KINGDOM STATUTORY CORPORATION, OF 101 NEWINGTON CAUSEWAY, LONDON SE1 6BU, ENGLAND.

Inventors : RONALD SHADE HAMILTON, WILLIAM EDWARD SEDEN.

Application No. 798/MAS/89 filed on 1st November, 1989.

Convention dated November 2nd, 1988 (No. 8825650.8 UK), and dated March 2nd, 1989 (No. 8904726.2; UK).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras.

**22 Claims :**

A method of cast moulding a contact lens comprising polymerising a monomer in a mould having a mould cavity between relatively movable male and female mould surfaces and a rigid shoulder for forming a peripheral seal between the two mould surfaces to close the cavity, at least one of the mould surfaces being flexible under a loading pressure, closing said mould cavity with monomer filling the cavity, applying a superatmospheric pressure in a pressure vessel so that said loading pressure acts on the mould surfaces and forms a pressurised seal around said rigid shoulder, subsequently curing the monomer whereby said loading pressure causes deflection of one of the mould surfaces to maintain the surfaces in contact with the lens as the monomer shrinks during polymerisation.

(Complete specification : 21 pages; Drgs. 3 sheets)

Ind. Cl. : 40 F

174310

Int. Cl. : C 23 F 11/00.

**A METHOD OF PRODUCING METALLIC SURFACE RESISTENT TO CORROSION BY REACTIVE ALPHA-OLEFIN GASES.**

Applicant : UNION CARBIDE CHEMICALS AND PLASTICS COMPANY INC., A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF NEW YORK, USA, OF 39 OLD RIDGEBURY ROAD, DANBURY, STATE OF CONNECTICUT 06817-0001, USA, AND SHELL OIL COMPANY, A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF DELAWARE, USA, OF ONE SHELL PLAZA, HOUSTON, STATE OF TEXAS, 77001, USA.

Inventors : JOHN MITCHELL JENKINS III, JAMES DOUGLAS MCCULLOUGH JR., STEVEN PAUL SAWIN.

Application No. 943/MAS/89 filed on 22nd December, 1989.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras.

**9 Claims :**

A method of producing metallic surface resistant to corrosion by reactive alpha olefin gases comprising the steps of coating the said metallic surface with an amino silicene of the general formula I of the accompanying drawings in which each R is independently a lower alkyl of from 1 to 4 carbon atoms, A is an alkylene group having from 2 to 6 carbon atoms and n is a number ranging from 5 to 600 and thereafter curing the said coating by hydrolysis to form a continuous solid coating.

(Complete specification 22 pages; Drgs. 2 sheets)

Ind. Cl. : 68 D

174311

Int. Cl. : H 01 H 85/00

**A LOW ENERGY SHOCK WAVE CONDUCTOR AND A METHOD OF PRODUCING THE SAME**

Applicant : IMPERIAL CHEMICAL INDUSTRIES PLC., A BRITISH COMPANY, OF IMPERIAL CHEMICAL HOUSE, MILLBANK, LONDON SW1P 3JF, ENGLAND.

Inventors : RONALD FRASER STEWART, DAVID JOHN WELBURN, DAVID MARTIN WELSH AND BOB GREENHORN.

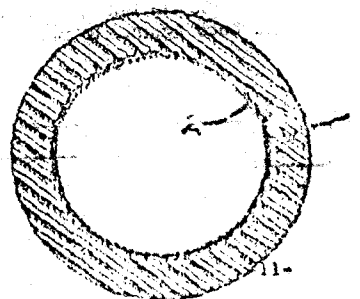
Application for Patent No. 66/Del/89 filed on 24th January 1989.

Conventional date 3rd Feb '88/8802329/UK.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

**21 Claims :**

"A low energy shock wave conductor comprising an extruded singlewall, dimensionally stable plastic tube having an inner surface coated with a particulate reactive energetic material of the kind such as herein described, the plastic of the tube comprising a substantially homogeneous extrudable blend of from 60 to 97% by wt. of a draw orientable polymer resin of the kind such as herein described lacking adequate reactive material retaining properties and the balance, a modifier of the kind such as herein described which is a miscible or compatible material which imparts and enhanced reactive material retaining capability to the inner surface of said extruded plastic tube.

**Fig. 1**

(Complete specification : 29 pages; Drgs. 2 sheets)

Ind. Cl. : 170B

174312

Int. Cl. : C11D 3/26, 3/30, 3/33

**A PROCESS FOR PREPARING AMINO FUNCTION COMPOUNDS.**

Applicant : THE PROCTER & GAMBLE COMPANY, OF ONE PROCTER & GAMBLE PLAZA, CINCINNATI, STATE OF OHIO, UNITED STATES OF AMERICA.

Inventors : STEPHEN WAYNE HEINZMAN, MICHAEL JOHANNES EIS AND MOLLY PELON ARMSTRONG

Application for Patent No. 76/Del/89 filed on 27th January, 1989.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

**9 Claims :**

"A process for the preparation of a compound of the formula (MAO)<sub>n</sub>E wherein n is an integer from 1 to 2 500, M is H or a salt-forming cation A is selected from the group consisting of 2-(sec-substituted-aimino)-4-oxobutanoate and

2-(tert-substituted amino)-4-oxobutanoate of the formula  $OC(O)C(L)HCH_2(O)C$  wherein L is respectively a sec-amino moiety or a tert-amino moiety; 3-(Sec-substituted-amino)-4-oxobutanoate and -(tert-substituted-amino)-4-oxobutanoate (of the formula  $OC(O)CH_2C(L)H(O)C$  wherein L is respectively a sec-amino moiety, or a tert-amino moiety, and mixtures thereof; and E is a moiety having molecular weight in the range from 15 to 17,000; wherein E has n sites for the covalent attachment of said moieties (MAO)n and E consists essentially of C and H or of C, H and O; and where in, when L is a sec-amino moiety, L is selected from the group consisting of aspartate, glutamate, glycinate, beta-alanate, taurine, aminoethylsulfate, alanate and 6-aminohexanoate; and when L is a tert-amino moiety L is selected from the group consisting of sarcosinate, imino-diacetate and n-methylaspartate which comprises,

(i) reacting in any conventional manner an alcohol of the formula EOH wherein E is as defined above with maleic anhydride to produce butenedioate half-ester and

(ii) reacting said butenedioate half-ester with an amine reactant of the formula LH wherein L is selected from the group consisting of L<sup>1</sup> to L<sup>n</sup> shown in the accompanying drawings said reaction being conducted in an aqueous medium and controlled alkalinity in the presence of a carbonate buffer of the kind such as herein described.

(Complete specification 50 pages; Drgs. 8 sheets)

Ind. Cl. : 32E

174313

Int. Cl.<sup>4</sup> : C03B, 31/00.

#### A DESTRUCTURIZED STARCH-POLYMER BLEND AND PROCESS FOR THE MANUFACTURE THEREOF.

Applicant : WARNER-LAMBERT COMPANY, OF 201 TABOR ROAD, MORIS FLAINS, NEW JERSEY 07950, USA

INVENTOR : CUSTAVE LAY JOHANNES REHM, ROBERT FREDERIC THOMAS STEPTO; MARKUS THOMA

Application for Patent No. 80/DEL/89 filed on 27, Jan 1989.

Conventional date: 03 FEB 88/8802313/11K

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi.

#### 22 Claims

A destructurized starch-polymer blend capable of being formed into shaped articles of the kind described herein which comprises :

(i) a water-containing destructurized starch, wherein the water content is from 5 to 30% by weight with respect to the weight of the starch water-material and optionally conventional additives such as herein described.

(ii) at least one substantially water-insoluble synthetic thermoplastic polymer such as herein described.

the water-containing destructurized starch being present in an amount of at least 50% by weight of said blend.

(Compl. specification 23 pages; Drgs. 4 sheets)

Ind. Cl. : 80G & 167C

Int. Cl.<sup>4</sup> : B01D 37/00.

#### A VACUUM FILTER.

Applicant : DORR-OLIVER INCORPORATED, OF 77 HAVEMEYER LANE, P. O. BOX 9312, STAMFORD, CONNECTICUT 06904-9312, UNITED STATES OF AMERICA.

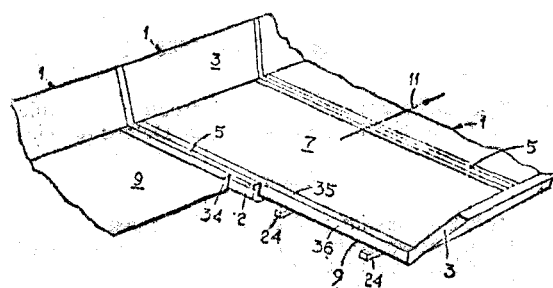
Inventors : KURTERHARD PIETZSCH

Application for Patent No. 108/DEL/89 filed on February 06, 1989.

Appropriate office for opposition proceedings (Rules 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

#### 8 Claims

1. A vacuum filter for separating solids from liquids comprising a circulating, endless array of troughs having lateral edges or weirs which constitute a common horizontal filter surface, an endless filter cloth laid on said horizontal filter surface, each trough having at least a rimless edge and an elastic sealing strip on said rimless edge extending along the trough bottom transversely to the direction of its movement, said sealing strip extending in one piece over the entire width of the trough, including said weirs, characterised by a spring-loaded, movable clamp angle member releasably clamping said sealing strip against said rimless edge of the trough, said sealing strip having a roughly U-shaped cross-section, with one arm of the U being longer than the other, the longer arm constituting a clamping portion and the shorter arm constituting a sealing lip, a bridging web connecting said arms, said clamp angle member surrounding only the clamping portion of said sealing strip, said sealing strip in sealing condition between two troughs being positioned so that U shaped cross-section is inverted.



(Compl. specification 27 pages; Drg. 1 sheet)

Ind. Cl. : 103.

174315

Int. Cl.<sup>4</sup> : C08E 23/00.

#### METHOD PRODUCING A SLOW RELEASE THERMOPLASTIC ARTICLE.

Applicant : THE B. F. GOODRICH COMPANY, a NEW YORK CORPORATION, OF 3925 EMBASSY PARKWAY, AKRON, OHIO 44313, UNITED STATES OF AMERICA.

Inventors : ANDREW AUGUST SOBEK, ERIC REUTERN AND JERRY BLISS PAUSCH.

Application for Patent No. 113/DEL/89 filed on February, 7, 1989.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

#### 7 Claims

A method of producing a slow release thermoplastic article having an extended slow release surfactant with at least one year release rate for inhibiting acid producing bacteria, said method comprising the steps of:

adding a compounding agent of the kind herein described and dry blending with thermoplastic compound of the kind herein described;

adding a surfactant of the kind herein described in an amount in the range of from 5 to 150 parts by weight per 100

parts by weight of said thermoplastic compound to said dry blended thermoplastic compound, and heat mixing said thermoplastic compound with said surfactant to form a slow release composition; and

applying shear and mixing said slow release composition at a temperature below the degradation temperature of the surfactant whereby the surfactant forms a porous network throughout the thermoplastic matrix and forming in any known manner a thermoplastic article from said slow release composition, said article having an extended slow release surfactant.

COMPLETE SPECIFICATION : 24 PAGES. DRAWING SHEETS : NIL

Ind. Cl. : 107G,C.

174316

Int. Cl.<sup>1</sup> : F 16 J 1/00, 1/08.

"A PISTON FOR AN INTERNAL COMBUSTION ENGINE"

Applicant : WELLWORTHY LIMITED, OF SOUTHAMPTON ROAD, LYMINGTON, HAMPSHIRE SO 41 8XA, ENGLAND.

Inventor : DAVID FRANCIS FLETCHER-JONES

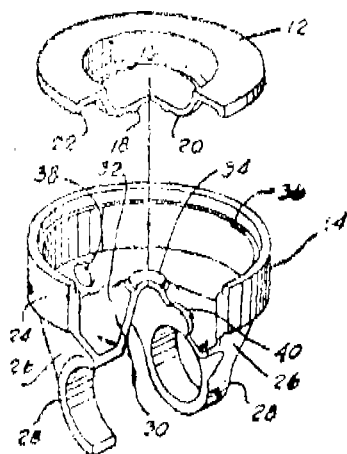
Application for Patent No. 115/DEL/89 filed on February 07, 1989.

Conventional Data : Date : 26-02-1988 No. : 8804533 Country : UK.

Appropriate office for opposition proceedings [Rule 4, Patents, 1972] Patent Office Branch, New Delhi-110005.

#### 7 Claims

1. "A piston for an internal combustion engine, said piston having a piston crown comprising a hollow outer generally cylindrical portion with at least one piston ring groove in the outer surface thereof, each said piston ring groove being spaced apart from two gudgeon pin boss portions along the piston axis, an upper portion of the crown being secured to a lower portion thereof of the lower crown portion having said two pin boss portions each located between, and integral with first and second web portions, a single annular chamber being formed between the upper and lower crown portions, said chamber being partially defined by the first web portion, which is generally frusto-conical in shape, at said two pin boss portions extends both upwardly and outwardly therefrom, and is connected to the cylindrical outer crown portion, and said chamber also being partially defined by the second web portion, which is also generally frusto-conical in shape, at said two pin boss portions extends both upwardly and inwardly therefrom, and is secured to the central part of the upper crown portion."



Complete Specification: 13 pages

Drawing sheets : 4

Ind. Cl. : 40B.

174317

Int. Cl.<sup>1</sup> : B01J 35/00.

"A PROCESS FOR PREPARING A PREACTIVATED SUPPORT SUITABLE FOR THE PRODUCTION OF A ZIEGLER-TYPE SUPPORTED CATALYST."

Applicant : BP CHEMICALS LIMITED, OF BELGRAVE HOUSE, 76 BUCKINGHAM PALACE ROAD, LONDON SW1W 0SU, ENGLAND.

Inventors : JEAN-CLAUDE ANDRE BAILLY AND STYLIANOS SANDIS.

Application for Patent No. 116/DEL/89 filed on February 07, 1989.

Appropriate office for opposition proceedings [Rule 4, Patents Rules, 1972] Patent Office Branch, New Delhi-110005

#### 10 Claims

1. A process for preparing a preactivated support suitable for the production of a Ziegler-type supported catalyst having a high transition metal content for the polymerization of olefins, said preactivated support containing from 80 to 95 mol % of magnesium chloride and from 5 to 20 mol % of an electron-donor compound  $D_1$  such as herein described, free from labile hydrogen and from ester function, and consisting of spherical particles which have a mass average diameter  $D_m$  of 10 to 100 microns and a narrow particle size distribution, such that the ratio of  $D_m$  to the number average diameter,  $D_n$ , is below 2, said process comprising reacting in in liquid hydrocarbon medium.

(a) a dialkyl magnesium of formula  $R_1 MgR_2$  in which  $R_1$  and  $R_2$  are identical or different alkyl radicals having from 2 to 12 carbon atoms, soluble in the liquid hydrocarbon medium, with

(b) an alkyl chloride of formula  $R_3 Cl$  in which  $R_3$  is a secondary or tertiary alkyl radical having from 3 to 12 carbon atoms,

in a molar ratio  $3 Cl/R_1MgR_2$  from 1.5 to 2.5, in the presence of the electron-donor compound,

$D_1$  in a molar ratio  $D_1/R_1 MgR_2$  from 0.1 to 1.2, the reaction taking place by contacting  $R_1MgR_2$ ,  $R_3 Cl$  and  $D_1$  over a period of at least 10 hours at a temperature from 10°C to 50°C.

COMPLETE SPECIFICATION : 27 PAGES DRAWING SHEET : NIL

Ind. Cl. : 32 Fa(a)

174318

Int. Cl.<sup>4</sup> : C07C 41/00

#### A PROCESS FOR PRODUCING ETHERS.

Applicant : UOP, COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF NEW YORK, HAVING IT PRINCIPAL PLACE OF BUSINESS AT 25 EAST ALGONQUIN ROAD, DES PLAINES, ILLINOIS, UNITED STATES OF AMERICA.

Inventor(s) : (1) BIPIN VIRPAL VORA (2) NORMAN HENRY SCOTT.

Application for Patent No. 158/Del/89 filed on 20th February, 1989.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972 Patent Office Branch, New-Delhi-110 005.

#### 5 Claims

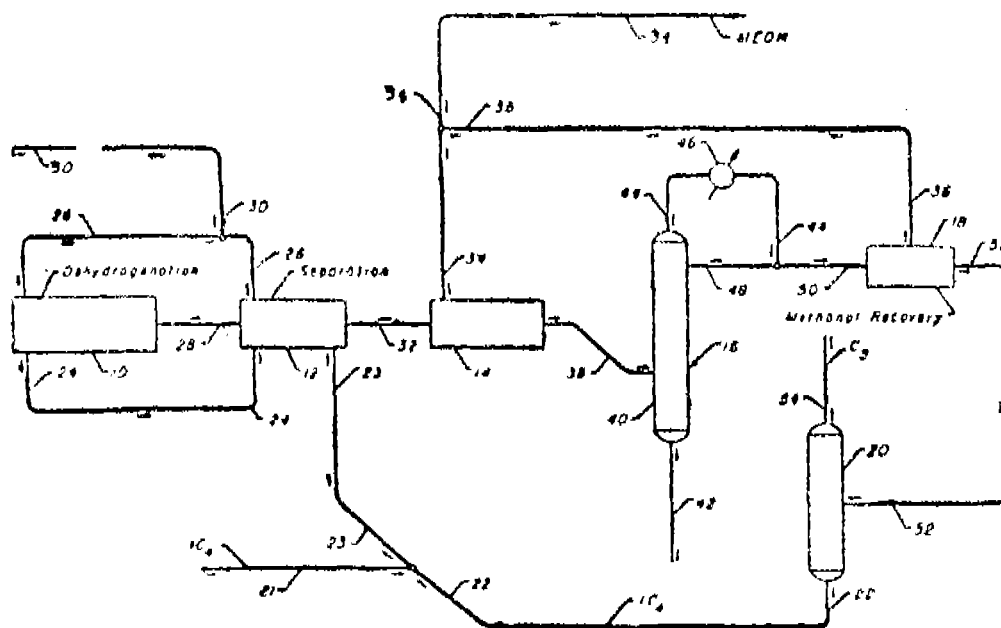
A process for producing ethers directly from at least a portion of an effluent stream from a dehydrogenation effluent

comprising isoolefins  $C_4$  or  $C_5$  and isoalkanes and  $C_3$  hydrocarbons comprising the steps of :

- (a) combining said dehydrogenation effluent stream with a  $C_1$ - $C_5$  monohydroxy alcohol to form an admixture and etherifying said admixture at etherification conditions to obtain essentially complete conversion of said isoolefins and to produce an etherification effluent stream comprising isoalkanes, alcohol, ether and  $C_3$  and lighter hydrocarbons;
- (b) separating said etherification effluent stream into at least a first stream comprising an ether product and second stream comprising isoalkanes, alcohol as

herein described and hydrocarbons having less than four carbon atoms;

- (c) recovering alcohol from said second stream and passing at least a portion of the recovered alcohol to step (a);
- (d) separating  $C_3$  hydrocarbons and oxygenates from the resulting alcohol-depleted second stream and obtaining a recycle stream consisting essentially of isoalkanes; and
- (e) dehydrogenating said recycle stream and passing at least a portion of the dehydrogenated recycle stream to step (a) and thereby producing the ethers.



Compl. Specn, 27 pages

Drg. 1sheet

Ind. Cl. : 33 C

174319

Int. Cl. : B 22 C 9/12

A THERMOPLASTIC COMPOSITION IN THE FORM OF A PASTE FOR THE PRODUCTION OF FOUNDRY MOLD CORES.

Applicant : SOCIÉTÉ NATIONALE D'ETUDE ET DE CONSTRUCTION DE MOTEURS D'AVIATION "S.N.E.C.M.A." OF 2 BOULEVARD VICTOR, 75015 PARIS, FRANCE.

Inventor : JEAN-PIERRE FLOCHEL.

Application for Patent No. 165/Del/89 filed on February 21, 1989.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

12 Claims

A thermoplastic composition in the form of a paste for the production of foundry mold cores comprising (i) a mineral filler composed of by weight :

- (a) from 60% to 85% fused silica;
- (b) from 15% to 35% zircon;
- (c) from 1% to 5% cristobalite;

said composition further comprising per 100 parts by weight of said mineral filler;

- (ii) from 0.2 to 0.5 parts by weight of a mold release agent such as herein described;

(iii) from at least 15 to 20 parts by weight of an organic binder constituted by a polyethylene glycol having a molecular weight between 1400 and 1600; and

(iv) from 1 to 5 parts by weight of a plasticizer such as herein described.

Compl. Specn, 17 pages

Drg. Nil

Ind. Cl. : 61 B

174320

Int. Cl. : D06F. 37/00

A VARIABLE SPEED CONTROL CIRCUIT FOR AN AUTOMATIC WASHER.

Applicant : WHIRLPOOL CORPORATION, A DELAWARE CORPORATION, OF 2000 M-63, BENTON HARBOR, MICHIGAN 49022, UNITED STATES OF AMERICA.

Inventor : EDWARD HOCHSTEEELER GETZ.

Application for Patent No. 321/Del/89 filed on 10 April, 1989.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

10 Claims

A variable speed control circuit for an automatic washer, said circuit operating a permanent solid capacitor motor from an AC voltage line, the motor connected by a drive

to an agitator mounted within a wash tub of said automatic washer having at least a spin cycle, comprising:

a drive circuit for driving said motor in the spin cycle from the AC line voltage, said drive circuit is connected to said motor and drives said motor by receiving a drive signal;

a first signal producing means being connected to said motor; said first signal is indicative of the speed of said motor;

a DC conversion circuit for providing a DC voltage from said first signal also indicative of the speed of said motor, said DC conversion circuit being connected to said first signal producing means; said

a logic selected circuit being connected to said DC conversion circuit at one side and on the other side to said drive circuit to produce a first substantially square wave, said first square wave being said drive signal in the spin cycle so as to periodically energize and deenergize said motor, thereby causing said motor to periodically accelerate and coast,

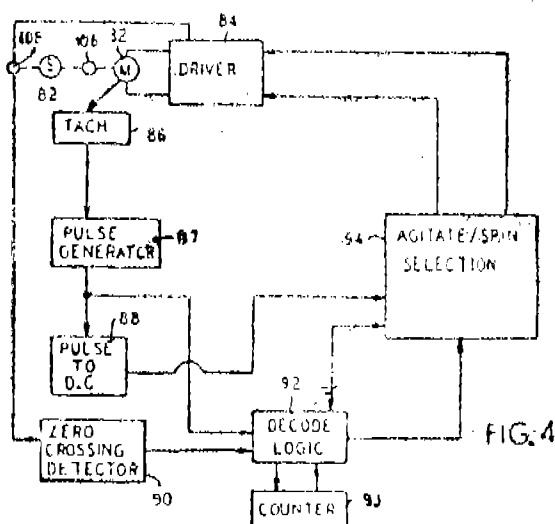


FIG. 4

Compl. Specn. 19 pages

Drg. 5 sheets

Ind Cl: 190A [XL IV (4)]

174321

Int. Cl.: F 02 C 1/00.

#### PRESSURE FLUIDISED BED COMBUSTION POWER PLANT FOR BURNING FUEL.

Applicant: ABB STAL AB, A SWEDISH COMPANY, OF S-1612 20 FINSPONG, SWEDEN.

Inventor: PILLAI KRISHNA KUMAR.

Applicant for Patent No. 0790/Del/88 filed on 20-9-88.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi 110 005.

#### 11 Claims

1. A pressurized fluidized bed combustion power plant for burning fuel, primarily coal, in a fluidized bed of particulate material, at a pressure exceeding the atmospheric pressure, said power plant comprising

a bed vessel (12) with a bottom (18, 30) with nozzles (22, 34) for supplying the bed vessel (12) with air for fluidization of the bed (38) of the particulate material and combustion of the fuel supplied to the bed (38)

a gas turbine (106) driven by combustion gas from the bed vessel (12), and

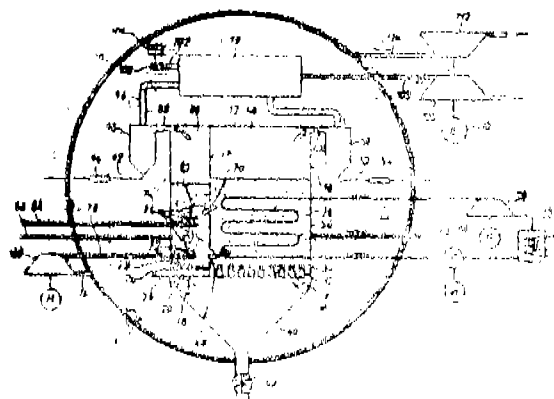
a compressor (112), connected to and driven by said turbine (106) compressing fluidization air and combustion air,

characterised in that said bed vessel (12) is divided into a first section (14) and a second section (16) by a vertical partition (17) reaching up to the upper wall of the bed vessel (12) so that freeboards (86 and 46, respectively) separated from each other are formed in said first section (14) and said second section (16),

said first section (14) of the bed vessel (16) forms a gas generator in which a burnable gas is generated,

the lower part of the partition (17) is provided with at least one opening (68) for transferring bed material from said first section (14) of the bed vessel (12) to said second section (16), the plant comprises a secondary combustion chamber (98) for combustion of the burnable gas generated in the gas generator, and

the plant comprises a device for mixing the combustion gases generated in said secondary combustion chamber (98) and in said second section (16) before the gases are supplied to the turbine (106).



Compl. Specn. 12

Drg. 1 sheet

Ind. Cl.: 170 A

174322

Int. Cl.: C 11 D, 1/00.

#### DETERGENT COMPOSITIONS.

Applicant: THE PROCTER & GAMBLE COMPANY, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF OHIO, U.S.A., OF ONE PROCTER & GAMBLE PLAZA, CINCINNATI, STATE OF OHIO, UNITED STATES OF AMERICA.

Inventors: ALFRED BUSH, ANDRE BAECK, BOB DEKKER.

Application for Patent No. 894/Del/88 filed on 17 Oct 1988.

Convention Date: 8807013.1/24-3-1988/G.B. & 8724463/19-10-87/G.B.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

#### 16 Claims

A granular detergent composition having improved properties which comprises:

- (a) from 65% to 99% by weight of conventional detergent ingredients such as herein described including softeners, surfactants and builder systems; and
- (b) from 1% to 35% by weight of clay agglomerates composed of:
  - (i) from 60% to 99.5% by weight of smectite-type clay;



- (i) from 0.5% to 30% by weight of an organic humectant such as herein described;
- (ii) up to 20% by weight of a polymeric clay flocculating agent such as herein described; and
- (iv) up to 10% by weight of a chelator such as EDTA, EDTP or mixtures thereof.

Compl. Specn. 22 pages

Drg. Nil

Ind. Cl. : 136 C [XIII]

174323

Int. Cl. : B 29 C 4700, 47 04.

"APPARATUS FOR CONTROLLING THE WEIGHT PER UNIT LENGTH OF A CONTINUOUS EXTRUDATE.

Applicant : THE UNIROYAL GOOD RICH TIRE COMPANY A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF STATE OF DELAWARE, U.S.A., OF 600 SOUTH MAIN STREET, AKRON, OHIO 44397-0001, UNITED STATES OF AMERICA.

Inventors : 1. JOHN EDWARD PETERSON, JR. 2. ANTHONY MICHAEL APICELLA.

Application No. 1024/Del/88 filled on 25-1-88.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

#### 4 Claims

An apparatus for controlling the weight per unit length of a continuous extrudate which comprises :

at least one extruding means for extruding a tread stock, plural conveyor means disposed adjacent said extruder means for transporting said extruded tread stock,

plural conveyor means disposed adjacent said extruder means for transporting said extruded tread stock,

decreasing surface speed shrink rolls in association with said conveyor means for receiving thereon the said tread stock therefrom said rolls permitting said tread stock to shrink to a predetermined fixed extent.

cooling means cooperating with said conveyor means to provide a cooling train to set the specifications of the extruded tread stock being conveyed,

at least one running-weight-scale means disposed intermediate said extruder means and said cooling train, and

skiver means located in conjunction with said cooling means for cutting said tread stock to predetermined length after it is cooled.

characterised in that :

(a) measuring means for generating a measured value of said tread stock are connected to said running-weight-scale means.

(b) comparator means are connected to said measuring means for comparing said measured value with a fixed target weight and generating a control signal.

(c) a single variable-speed conveyor means is proximately disposed relative to said extruder means and intermediate said extruder means and said cooling train, and

(d) speed adjusting means are connected to said variable speed conveyor and to said comparator means for adjusting the speed only of said variable speed conveyor in response to said control signal, whereby the weight per unit length of said tread stock as controlled within desired specified limits of weight without regard to any change in dimension of said tread stock, and without varying the operation of said extruder means or the speed of any conveyor other than said variable-speed conveyor.

Comp. Specn. 21 pages.  
3-317GI/94

Drg. 1 sheet

Ind. Cl. : C08F, 20/44, 120, 44, 220/44

174324

Ind. Cl. : 32E.

AN IMPROVED PROCESS FOR FLAME RETARDANT ACRYLIC FIBRE.

Applicant : SIR PADAMPAT RESEARCH CENTRE, OF JAY KAY NAGAR KOTA-324003, RAJASTHNA, INDIA A SOCIETY REGISTERED UNDER SOCIETY'S ACT 1860.

Inventors : NARESH DUTTA SHARMA, RATI MEHTA, BOMMU VENKATESWARA RAO AND PURSHOTTAM SHARMA.

Application for Patent No. 1073/Del/88 filled on 7 Dec. 1988.

Complete Specification filed on 24 Oct. 1989.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

#### 14 Claims

An improved process for the manufacture of flame retardant acrylic fibres which comprises in propelling a dope of polymer blend composed of acrylic polymer and at least one halogen containing polymer as herein described together with at least one inorganic/organic additive as herein described in a solvent which essentially dissolves the acrylic and halogen containing polymers and subjecting such as a dope to the process of spinning to obtain flame retardant acrylic fibre of limited oxygen index more than 25.

Provnal Specn. 14 pages

Drg. Nil

Compl. Specn. 26 pages

Drg. Nil

Ind. Cl. : 36 B

174325

Int. Cl. : F04C, 23/00

"TRUNK PISTON COMPRESSOR".

Applicant : MASCHINENFABRIK SULZER-BURCKHARDT AG. OF DORNACHERSTRASSE 210, CH-4002 BASEL, SWITZERLAND.

Inventor : EDUARD MULLER

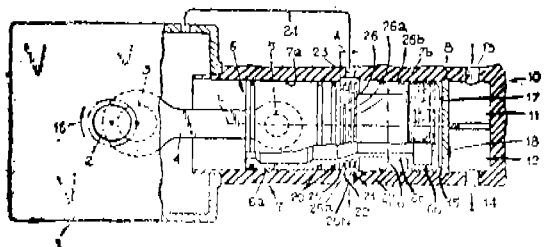
Application for Patent No. 92/Del/89 filed on January 1989.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

#### 5 Claims

1. A trunk piston compressor comprising at least one piston provided to reciprocate in a cylinder via a crankshaft and a connecting rod, said piston comprising a guide part facing the crankcase and guide in a lubricated cylinder portion and a working part which is necked down therefrom and which is constructed as a dry-running gas sealing part, more particularly a labyrinth piston, which provides a compression chamber in the cylinder oil wiper means being provided in the zone of movement of the guide part and a leakage discharge chamber connected to a low-pressure chamber being provided in the cylinder outside the zone of movement of the working part for the discharge of leakage gas escaping from the compression chamber and leakage oil escaping from the crankcase wherein at least one recess in the form of an annular groove is provided in a portion (A) of the length of the piston which portion passes into the zone of the leakage discharge chamber in the top dead centre position of the piston, said recess being provided to

collect any film of oil creeping along the surface of the guide part and to deliver the collected oil into the leakage discharge chamber and/or into the lubricated cylinder portion.



Compl. Specn. 15 pages

Drg. 3 sheets

Ind. Cl. : 155 F<sub>1</sub>+2 & 207

171326

Int. Cl.<sup>4</sup> : B 27 K 3 12, 3/34, 3/52

"A METHOD OF MANUFACTURING A TREATED POROUS SUBSTRATE".

Applicant : ROHMANDHAAS COMPANY, OF INDEPENDENCE MALL, WEST, PHILADELPHIA, PENNSYLVANIA 19150, UNITED STATES OF AMERICA.  
Inventor : DONALD BRUCE LARSON.

Application for Patent No. 118/Del/89 filed on 7th February, 1989.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

#### 10 Claims

"A method of manufacturing a treated porous substrate, the method comprising treating a porous substrate such as herein described by applying a penetration composition to the substrate, allowing the composition to penetrate into the surface of the substrate, and curing the composition or allowing it to cure, to form a substrate-polymer composite at or near the surface of the substrate, wherein the penetrating composition comprises in combination, based on total weight of (A) and (B),

(A) 52.5% to 95% by weight of one or more (C10 to C22)-alkylacrylate(s) or methacrylate(s), wherein each of said acrylate(s) or methacrylate(s) is non-oxidizing and, if homopolymerized, would form homopolymer having a glass transition temperature or about 0°C or less, and

(B) 5% to 47.5% by weight of one or more autoxidative compound(s) such as herein described which function as a free-radical polymerization initiator and oxygen scavenger during the reaction of components (A) and (B) and optionally (C) one or more conventional ingredients such as metal drier; oxime stabilizer; hindered amine light stabilizer; solar screen; pigment; wax; photoinitiator; surfactant; leveling agent; non-oxidizing, non-polymerizable, hydrophobic oligomer and/or polymer; other mono- or poly-vinyl monomer.  
Compl. Specn. 45 pages.

Ind. Cl. : 40 F

174327

Int. Cl.<sup>4</sup> : B 01 D, 15/04, 15/08.

"AN IMPROVED PROCESS FOR SEPARATING THE PARAISOMER OF C8-C12 DIALKYL-SUBSTITUTED AROMATIC HYDROCARBON FROM FEED STREAM USING A FLUORO AROMATIC DESORBENT."

Applicant UOP, A COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF NEW YORK, HAVING IT PRINCIPAL PLACE OF BUSINESS AT 25 EAST ALGONQUIN ROAD, DES PLAINES, ILLINOIS, UNITED STATES OF AMERICA.

Inventors : (1) RICHARD WILLIAM NEUZIL (2) GEORGE JOHN ANTOS.

Application for PATENT No. 439/Del 89 filed on 19th May 1989.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

#### 5 Claims

An improved process for separating the para-isomer of a C8-C12 dialkyl-substituted aromatic hydrocarbon from a feed stream containing a mixture of said para-isomer and at least one other C8-C12 isomer of said C8-C12 dialkyl substituted aromatic hydrocarbon which process comprises contacting said feed stream with a crystalline aluminosilicate zeolite adsorbent containing barium and potassium ions at exchangeable cationic sites within the adsorbent crystalline structure in a BaO/K<sub>2</sub>O molar ratio of from about 0.6 : 1 to 1.2 : 1 at adsorption conditions selected to effect the adsorption of said para-isomer by said adsorbent and subsequently contacting the para-isomer containing adsorbent with a desorbent material selected from the group consisting of monofluoro-substituted and difluoro-substituted aromatic hydrocarbon and mixtures thereof at desorption conditions selected to effect removal of said para-isomer from said adsorbent and to product stream enriched in said para-isomer relative to the feed stream, with said adsorption and desorption conditions including a temperature within the range of from about 20 to 25°C and a pressure sufficient to maintain liquid phase.

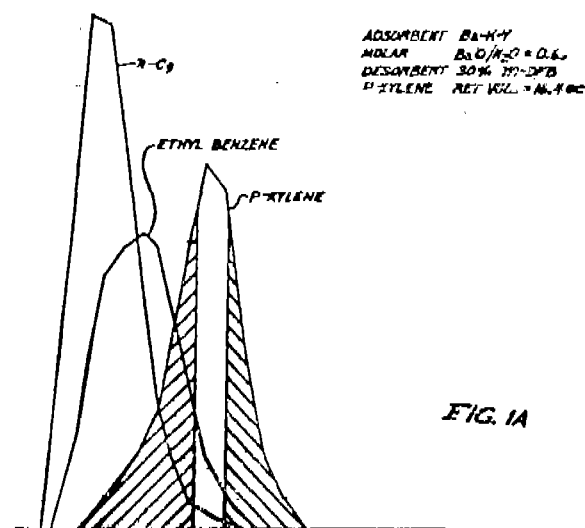


FIG. 1A

Compl. Specn 34 pages.

Drg. 2 sheets

Ind. Cl. : 39 M

174328

Int. Cl.<sup>4</sup> : C01B 25/32

METHOD FOR THE PREPARATION OF TRI-CALCIUM PHOSPHATE.

Applicant : GENERAL FOODS CORPORATION, A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE LOCATED AT 250 NORTH STREET, WHITE PLAINS, NEW YORK, U.S.A.

Inventors : JOSEPH ACKILLI, FOUAD SALEEB, PHILIP MORREALE AND RANDAL McKAY.

Application for Patent No. 472/Del/89 filed on 30 May, 1989.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

## 2 Claims

A method for the preparation of tricalcium phosphate which is rapidly soluble in acidic food solutions comprising the steps of:

- (a) forming in any known manner an aqueous suspension of calcium hydroxide;
- (b) rapidly adding said suspension to aqueous phosphoric acid, with continuous agitation, to form a reaction slurry having a pH of from 8 to 12, the phosphoric acid and the suspension each having an initial temperature of from 40°F to 80°F.
- (c) maintaining the temperature of the slurry at or below 160°F at all times, the reacted slurry containing no more than 2% hydroxyapatite; and
- (d) spray drying or freeze drying the reacted slurry.

Compl. Specn. 11 pages

Ind. Cl.: 117B

174329

Int. Cl.: E05B, 69/00

IMPROVED LOCKING DEVICE FOR CASES, ATTACHE CASES, BRIEF CASES AND THE LIKE.

Applicant: MOHD. YAMIN, RESIDENT OF 6332, GALI ISHWARI PRASAD, BARA HINDU RAO, DELHI, INDIAN NATIONAL.

Inventor: MOHD. YOUSUF.

Application for Patent No. 755/Del/89 filed on August 28, 1989

Complete after Provisional filed on September 20, 1990.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

## 2 Claims

An improved locking device for suit cases, attache cases, brief cases and the like which consists of a Base part (A) comprising of a rectangular box type container open at the top, in which at its one end is mounted by means of a pin and a strip spring a Part (B) consisting of a rectangular metal plate having a collar on its four sides such that while its one end is secured in the Base part by the said pin, its other free end slides in or protrudes out of the Base part, at the other end of the Base part is mounted a known *per se* key operated lock (D), the side of the Base part (A) where the Part (B) is mounted, is provided with a cut-out for the entry of the Hasp fitted on the lid of the suit case or the like when the said lid is closed and the Hasp after such entry is engaged by a projection provided on the side of the Part (B) characterised in that in between the Part (B) and the lock (D) is mounted a Part (C) comprising a linearly slidable plate which at its end facing the lock (D) is spring loaded by a spiral spring and at its end facing the Part (B) is provided with two cut-out shoulders, the end of the Part (B) facing the Part (C) is provided with two hooks extending from its collar which engage the cut-out shoulders of the Part (C) when the Part (B) is pressed to slide into the Base Part, a Cover part (E) having cut-outs to expose Part (B), Part (C) and lock (D), covers the Base part of the improved locking device.

Prov. Specn. 3 pages

Drg. 1 sheet

Compl. Specn. 7 pages

Drg. Nil

Ind. Cl.: 6 B-2

174330

Int. Cl.: A 47 L, 9/10

AN IMPROVED AIR FILTER FOR USE IN INTERNAL COMBUSTION ENGINE.

Applicant: HARJAN SINGH, FILTRATION & SEPARATION, B-29/B, KAILASH COLONY, NEW DELHI-110 048 (AN INDIAN NATIONAL).

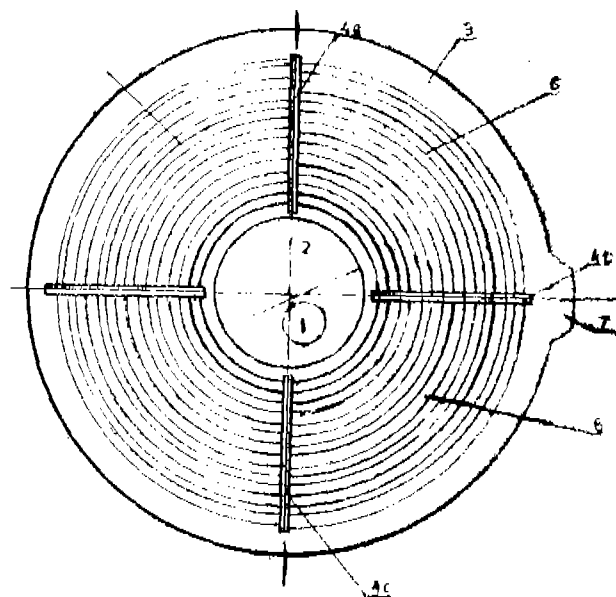
Inventor: HARJAN SINGH.

Application of Patent No. 966/Del/89 filed on 1st November, 1989.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

## 4 Claims

An improved circular air filter comprising a circular cup means at its centre and a ring means at its periphery, radial connecting means to hold the said cup means to the peripheral ring means, wherein a filter element having concentric pleated configuration is provided between the said circular cup means and the ring means.



Compl. Specn. 5 pages;

Drwgs. 2 sheets.

Ind. Cl.: 97-F

174331

172-C.

Int. Cl.: F 26 B 3/347.

H 05 B 6/80

METHOD AND APPARATUS FOR MANUFACTURING PURE FIBRES BY REDUCING THE TACKINESS OF THE FIBRES OF COTTON FLOCKS CONTAMINATED WITH HONEYDEW.

Applicant: MASCHINENFABRIK RIETER AG., A BODY CORPORATE ORGANISED UNDER THE LAWS OF SWITZERLAND OF WINTERTHUR, SWITZERLAND.

Inventors:

- (1) RENE WAEBER.
- (2) FRITZ KNABENHANS.
- (3) OTHMAR BACHMANN.

Application No. 315/MAS/89 filed April 26, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 20 Claims

A method of manufacturing pure fibres by reducing the tackiness of fibres of cotton flocks contaminated with honeydew, comprising the steps of:

compressing the honeydew contaminated cotton flocks to form a honeydew contaminated cotton flock web;

depositing the honeydew contaminated cotton flock web on a conveyor belt;

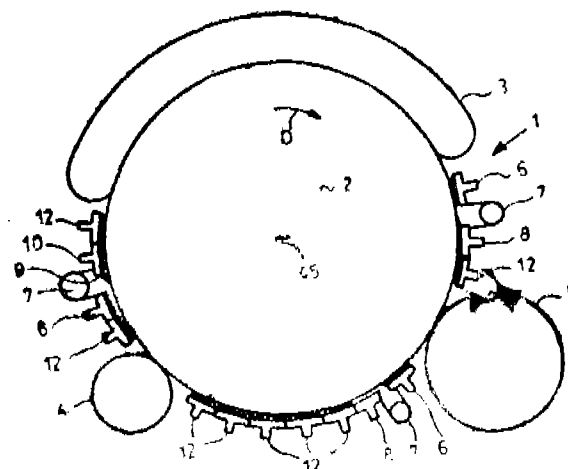
moving the honeydew contaminated cotton flock web on said conveyor belt into a microwave oven structured as a tunnel;

heating the said honeydew contaminated cotton flock web on said conveyor belt in said microwave oven by means of microwave energy; and

thereby converting said honeydew contaminated cotton flock web into a non-sticky material in a manner such as herein described.

(Com. 19 pages;

Drwgs. 3 sheets)



Ind. Cl. : 172-C<sub>1</sub> & D<sub>4</sub>

174332

Int. Cl. : D 01 G 15/00; 15/32; 15. 82.

A DEVICE FOR THE SEPARATION OF DIRT FROM A FIBRE FLEECE ON A ROTATED TOOTHED ROLLER.

Applicant: MASCHINENFABRIK RIETER AG., A BODY CORPORATE ORGANIZED UNDER THE LAWS OF SWITZERLAND, OF WINTERTHUR, SWITZERLAND.

Inventors :

(1) ROBERT DEMUTH.

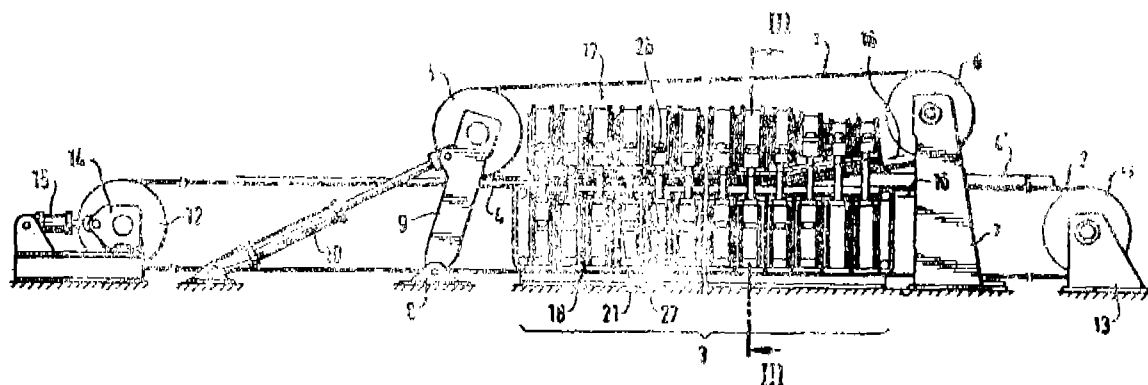
(2) PAUL STAEHEL.

Application No. 158/MAS/90 filed March 1, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

24 Claims

A device for the separation of dirt from a fibre fleece on a rotated toothed roller (2) comprising a separation knife (8, 9, 34) inclined in the direction of rotation (D) of the toothed roller (2), the said knife being static but adjustable towards and away from the toothed roller (2), a preparatory element (6, 6.1, 6.2) upstream of the said separation knife with respect to the direction of rotation (D) of the toothed roller (2), the said preparatory element being static but adjustable towards and away from the said toothed roller independently of the said separation knife, a separation gap (19) between the said preparatory element (6, 6.1, 6.2) and the said separation knife (8, 9, 34), the said preparatory element (6, 6.1, 6.2) having a structured surface (17, 24, 25, 26, 27, 28, 29, 32) facing an outer periphery of the said toothed roller, the structured surface comprising means for providing a positive carding result by inducing a vibrating effect on the fibre fleece lying on the rotating toothed roller and bringing particles of dirt to the exposed surface of the fleece.



(Comp. Specn. 13 pages;

Drw. 2 sheets)

(Com. 23 pages;

Drwgs. 5 sheets)

Int. Cl. : 208

174333

Int. Cl.4 : B 27 n 3/00.

PROCESS AND APPARATUS FOR THE CONTINUOUS PRODUCTION OF WOOD-CHIP PANELS AND SIMILAR PANEL-TYPE MATERIALS.

Applicant: EDUARD KUSTERS MASCHINENFABRIK GmbH & CO. KG A GERMAN COMPANY OF GLADBACHER STRASSE 457 D-4150 KREFELD 1 FEDERAL REPUBLIC OF GERMANY.

Inventor : ANDRE VANDEN AVENNE.

Application for Patent No. 159/MAS/90 filed on 1 March 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

7 Claims

A process for the continuous production of wood-chip panels and similar panel-type materials consisting of particles that are banded together by means of bonding agent that is hardened under pressure and by heat, in a double band press in which the particles that are mixed with the bonding agent are scattered onto the horizontal run of a lower forming band so as to form a bed and then hardened in a compression section between the lower and the upper metal forming band that also rotate in the forward direction of the double band press so as to form a strip that results in the panels, the operating pressure and the heat required for this formation in the compression section being transferred from the supporting structure of the double band press to the forming bands and from these into the bulk material bed, wherein on at least one edge of the bulk material bed that results in the strip with a width of 2 to 30 cms is partially removed exposing it to vacuum in such a manner as to leave tabs in the place between the removed edge zones.

Ind. Cl.: 98-G

174334

Applicant: MERLIN GERIN, A FRENCH COMPANY,  
OF 2 CHEMIN DES SOURCES, 38240 MEYLAN,  
FRANCE.

Int. Cl.4: F 28 D 3/02.

**A HEAT EXCHANGER.**

Applicant: LINDE AKTIENGESELLSCHAFT, OF AB-  
RAHAM-LINCOLN-STRASSE, 21, D 6200 WIESBADEN,  
FEDERAL REPUBLIC OF GERMANY, A GERMAN  
COMPANY.

**Inventors:**

- (1) MANFRED STEINBAUER.
- (2) DIETER MIHAILOWITSCH.
- (3) HELMUT KREIS.

Application No. 310/MAS, 90 filed April 23, 1990.

Appropriate Office for Opposition Proceedings (Rule 4,  
Patents Rules, 1972), Patent Office, Madras Branch.

**12 Claims**

A heat exchanger having a substantially cylindrical flow chamber (2) defined by a jacket (1), the heat exchanger comprising a plurality of tubes extending through the flow-chamber (2) in a direction which is substantially parallel to the cylinder axis (8) and comprising at least one pair (4, 5) of inflow/outflow pipes arranged opposite one another at the cylindrical surface of the jacket (1) and leading into the flow chamber (2), characterized by at least one support plate (12) which is disposed in the flow chamber (2) substantially at right angles to the cylinder axis (8).

(Com. 16 pages;

Drwgs. 3 sheets)

Ind. Cl.: 68-E,

174335

Int. Cl.4: H 04 B 3/46.

**AN ISOLATION MONITOR FOR MONITORING AN  
ISOLATION OF A POWER SYSTEM WITH RESPECT TO  
A GROUND.**

**Inventors:**

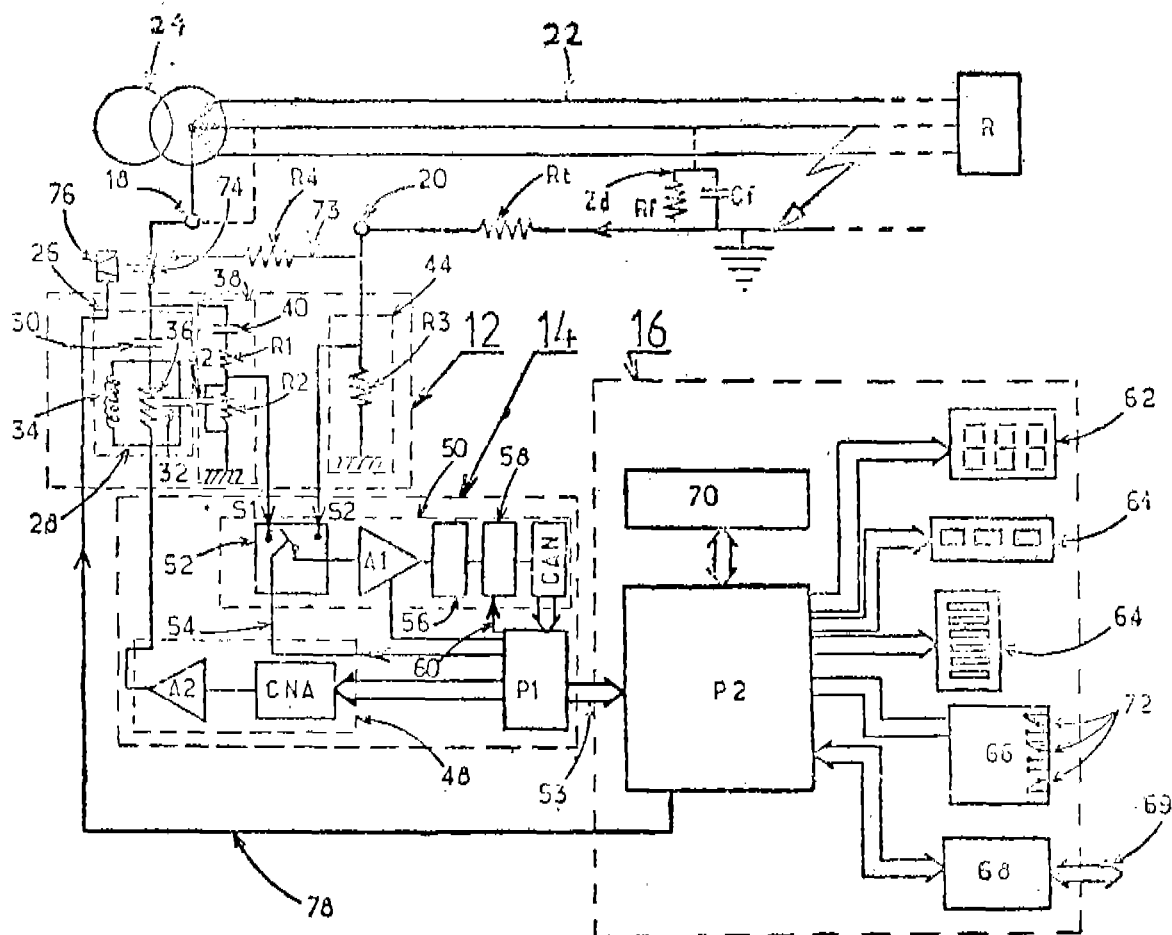
- (1) JEAN-PAUL BARJONNET.
- (2) BRUNO BOUCHEZ.
- (3) PHILIPPE LE MAITRE.

Application No. 380/MAS/90 filed May 17, 1990.

Appropriate Office for Opposition Proceedings (Rule 4,  
Patents Rules, 1972), Patent Office, Madras Branch.

**10 Claims**

An isolation monitor for monitoring an isolation of a power system with respect to a ground, comprising: input circuit means for injecting a reference AC signal at a frequency less than that of said power system between said power system and said ground; detection circuit means for supplying a measurement signal which is the image of said power system isolation said isolation corresponding to an impedance  $Z_d$  formed by a leakage resistor  $R_f$  electrically connected in parallel with a stray capacitor  $C_f$ , the capacitance of which depends on the characteristics of the power system; an acquisition channel means (50) connected to said detection circuit means and having a low-pass analog filter (56) connected by means of a sample-and-hold circuit (58) to an analog-to-digital converter (CNA) for generating a filtered digital representation of said measurement signal; a digital processor P1 for synchronously demodulating said filtered digital representation of said measurement signal to obtain the resistive and capacitive components thereof and for synthesizing a sine wave in real time based on said demodulated signal using a table stored in a memory, and further for sending said synthesized sine wave to a digital-to-analog converter (CNA) computation and display means for computing the values of said leakage resistance  $R_f$  and said leakage capacitance  $C_f$  from said resistive and capacitive components and for displaying same; wherein said acquisition channel (50) operates in conjunction with first and second measurement circuits said first measurement circuit located between said power system and a trap circuit (28) tuned to the power system frequency for measuring a signal S1 indicative of the true AC signal injected on to the power system; and said second measurement means for measuring a signal S2 indicative of the leakage current flowing in the impedance  $Z_d$ ; and wherein said digital processor (P1) is connected to and controls a switching means which receives signals S1 and S2 for selectively entering one of the signals S1 and S2 into the acquisition channel.



(Com. 22 pages;

.. Drwgs. 2 sheets)

Ind. Cl.: 106.

174336

Int. Cl.: H 01 H 35 34.

**A TRANSMITTER WITH A FLAME ARRESTING PLUG.**

Applicant: ROSEMOUNT INC., A CORPORATION OF THE STATE OF MINNESOTA, U.S.A., OF 12001 TECHNOLOGY DRIVE, EDEN PRAIRIE, MINNESOTA 55344, U.S.A.

Inventors:

(1) JAMES E. WALISH.

(2) LEE ANN MATTISON.

Application No. 597/MAS/90 filed July 25, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

**9 Claims**

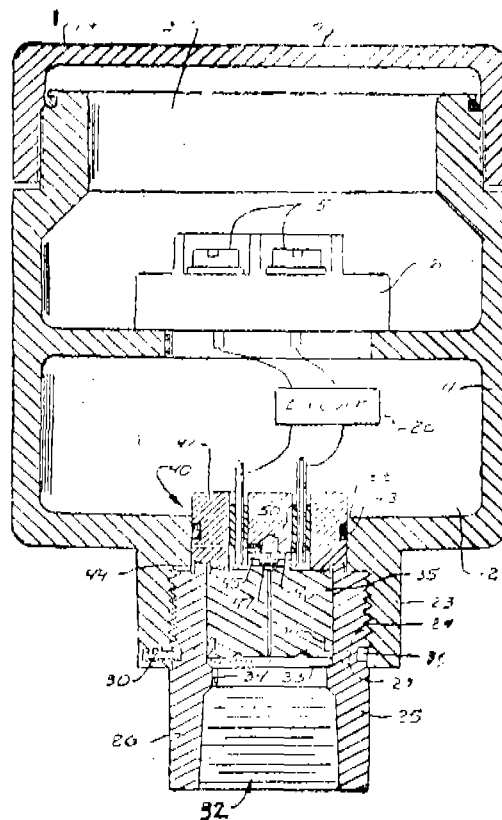
A transmitter with a flame arresting plug providing an output indicating a pressure difference between a line and an atmosphere outside the transmitter, comprising:

a housing forming a wall around an axis of a hole extending into an exterior cavity formed in the housing;

a circuit in the exterior cavity controlling the output;

a sensor coupled to the circuit for sensing the pressure difference; and

a plug in the hole having a sensor cavity holding the sensor, a fitting couplable to the line along the axis at a distal end of the plug, and a diaphragm therein coupling line pressure to the sensor via a liquid in a first passageway formed in the plug, the first passageway having a shape which flame isolates the sensor from the line.



(Com. 19 pages;

Drwgs. 3 sheets)

Ind. Cl.: 86-E

174337

Appropriate Office for Opposition Proceedings: (Rule 1 Patents Rules, 1972), Patent Office, Madras Branch.

Int. Cl.: A 47 H 23/00.

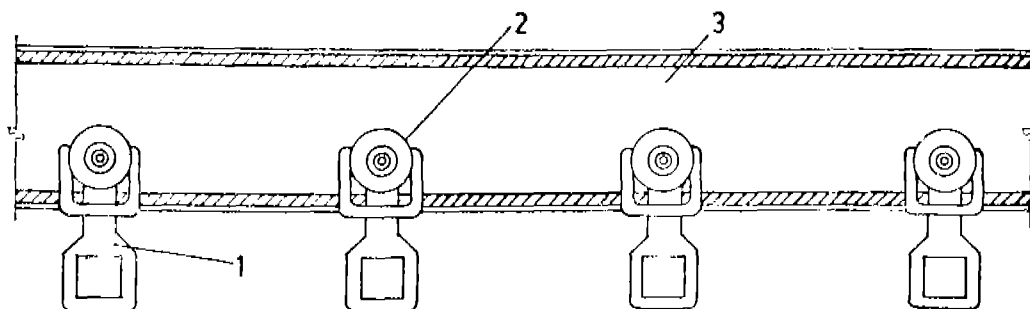
3 Claims

A NOVEL CURTAIN HANGING DEVICE.

Applicant & Inventor: PUTHANCHALAKAL XAVIER THOMAS, AN INDIAN CITIZEN OF 21/1659 JANATHA ROAD, PALLURUTHY, COCHIN-682 006, KERALA.

Application No. 705/MAS/90 filed September 4, 1990.

A novel curtain hanging device comprising a rectangular channel (3) having an opening along the length of the bottom side, plurality of gliding means each of them having two circular wheels (2) rotatably fixed to a middle part (1) with a member projecting through the opening in the said channel, the said member being adapted for fixing one end of a curtain.



(Com. 5 pages;

Drwgs. 1 sheet)

Ind. Cl.: 48-A<sub>4</sub> & 90-I

174338

Int. Cl.: C 03 B 37/023.

AN OPTICAL FIBER CABLE.

Applicant: AMERICAN TELEPHONE & TELEGRAPH COMPANY, OF 550 MADISON AVENUE, NEW YORK, NEW YORK 10022, U.S.A., A COMPANY DULY ORGANIZED UNDER THE LAWS OF U.S.A.

Inventors:

- (1) CHARLES HENRY GARTSIDE,
- (2) PAUL GRANCIS GLODIS,
- (3) PARBHUBHAI DAHYABHAI PATEL.

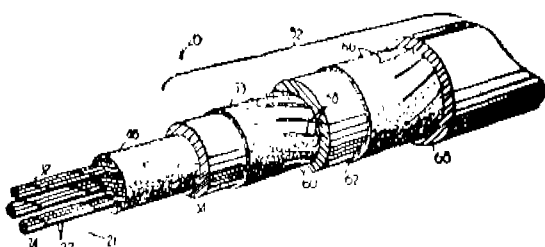
Application No. 606/MAS/92 filed September 29, 1992.

Divisional to Patent Application No. 151/MAS/91; Antedated to June 23, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

6 Claims

An optical fiber cable comprising plurality of units consisting plurality of coated optical fibers wrapped with a binder, said coated optical fibers consisting of a core, an outer cladding and an inner cladding, the said units being enclosed within a tube of plastic material having a length not greater than the length of any fiber in each unit and substantially parallel to the longitudinal axis of the cable, the said units being placed inside the said tube without any intermediate tube separating them from one another and the ratio of the cross sectional area of the plurality of optical fibre to the cross-sectional area within the tube not exceeding 0.5; a water blocking material such as hereindescribed having a critical yield stress and shear modulus which allow movement of the units when the water blocking material is subjected to predetermined stress is disposed within the said tube filling substantially the interstices between the optical fiber in the unit within the tube and between the units and the tube.



(Com. 23 pages;

Drwgs. 4 sheets)

Ind. Cl.: 143-D<sub>4</sub>

174339

Int. Cl.: B 65 B B 2500.

A FOOD PACKAGING DEVICE FOR PRODUCING INDIVIDUALLY WRAPPED SLICES OF A FOOD ITEM.

Applicant: SCHREIBER FOODS INC., A CORPORATE ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF WISCONSIN, U.S.A., OF 425, PINE STREET, GREEN BAY, WISCONSIN 54307, UNITED STATES OF AMERICA.

Inventors:

- (1) VINCENT A. MELI.
- (2) DAVID L. SHAFT.

Application No. 665/MAS/92 filed November 3, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

22 Claims

A food packaging device for producing individually wrapped slices of a food item from a continuous flattened tube of wrapping material with the food item therein, the flattened tube having a front face and a rear face, the device comprising: a registration station (36) for producing adjacent sections of said flattened tube separated from each other by registration lines, wherein each of said registration lines are formed by said registration station (36) pressing the front face and rear face of the tube material along an area transverse to the length of the tube such that the food item is squeezed out of said area; a conveyor to transport said continuous tube of the food item; a heating station disposed downstream of the registration station (36) to heat said adjacent sections of said food item from said registration station (36) at said registration lines for a predetermined time and wherein said registration lines are not pressed during said predetermined time; and a sealing station (40) to receive said adjacent sections of said food item from said heating station (38) and to heat said registration lines to form a tack seal at said registration lines.

(Com. 33 pages;

Drwgs. 8 sheets)

Ind. Cl.: 55-F

174340

Int. Cl.: A 61 K 49/00.

A METHOD OF MAKING CONTRAST AGENTS FOR ULTRASONIC ECHOGRAPHY.

Applicant: SINTETICA SA. OF CH 1227, CAROUGE-GENEVA, SWITZERLAND, A SWISS COMPANY.

**Inventors :**

- (1) FENG YAN.
- (2) MICHEL SCHNEIDER.
- (3) JEROME PUGINIER.
- (4) MARIE-BERNADETTE BARRAU.
- (5) PASCAL GRENIER.

Application No. 749/MAS/92 filed December 15, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

**13 Claims**

A method of making contrast agent for ultrasonic echography which consist of gas-filled microvesicles suspended in aqueous liquid carrier phases, the microvesicles having resistance against collapse resulting, at least in part, from pressure increases effective when the said suspensions are injected into the bloodstream of patients, said method comprising forming the gas-filled microvesicles in a manner such as herein described, the said microvesicles being filled with a physiologically acceptance gas or mixture of gases, said gas or at least a gas in said mixture of gases having a ratio of solubility in water, expressed in litres of gas by litre of water under standard conditions, to square root of the molecular weight, in daltons, not greater than 0.003.

(Com. 29 pages;

Drwg 1 sheet)

**PATENT SEALED ON 7-10-94**

171773\* 172866\*D 172867\* 172868\* 172869 172879\*D  
172970\*D 172984\*D 172993 173000\*D 173030\*D 173034  
173035 173036\* 173046\* 173047\* 173054 173058\*D 173062  
173063 173064 173069 173070 173072 173076 173077  
173078 173081 173082 173083 173084 173085 173088  
173090

Cal-14, Del-9, Bom-Nil.  
&  
Mas-11

\*Patent shall be deemed to be endorsed with the words "LICENCE OF RIGHT" Under Section 87 of the Patents Act, 1970. from the date of expiration of three years from the date of sealing.

D-Drug Patent, F-Food Patent

**CESSATION OF PATENTS**

157400 157410 157411 157422 157433 157454 157464  
157475 157476 157490 157513 157518 157557 157568  
157590 157612 157613 157614 157617 157618 157630  
157642 157643 157652 157671 157672 157688 157691

**RENEWAL FEES PAID**

153378 153775 153817 155448 155597 155878 155886  
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166102 166183 166245 166358 166413 166414 166453  
166454 166721 166824 166852 167001 167030 167495  
167496 168052 168057 168165 168298 168307 168371

168393 168723 168796 169187 169885 169886 170006  
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170350 170382 170387 170651 170653 170655 170659  
170743 170744 170751 170752 170755 170762 170763 170766  
170822 170824 170826 170961 170967 170970 171017 171110  
171227 171290 171640.

Name Index of Application for Patents in respect of Patent Office Calcutta & its branches for the months of July, 1993 to December, 1993. (Nos. 377/Cal/93 to 833/Cal/93, 213/Bom/93 to 452/Bom/93, 449/Mas/93 to 938/Mas/93 and 679/Del/93 to 1497/Del/93).

Name and Application No.

**CALCUTTA**

(377/Cal/93 to 833/Cal/93)

—A—

ABB Henschel Waggon Union GmbH.—715/Cal/93.

AB Electrolex—516/Cal/93.

AMC International Alfa Metalcraft Corporation AG.—757/Cal/93.

A Menarini Industrie Farmaceutiche Riunite S.R.L.—442/Cal/93.

AVX Corporation—393/Cal/93.

Accuwave Corporation—820/Cal/93.

Acharya, G.—646/Cal/93.

Advanced Scientific Corporation—477/Cal/93.

Allflex New Zealand Limited—700/Cal/93.

Alusit Holdings, L.P.—807/Cal/93.

American Cyanamid Co.—779/Cal/93.

American Dental Association Health Foundation—159/Cal/93.

Ameu—Management Corporation—560/Cal/93.

Amorphous Technologies International Inc.—776/Cal/93.

Anutech Pty. Ltd.—703/Cal/93.

Armco Inc.—611/Cal/93.

Armco Steel Co.—601/Cal/93.

Aakew, J.M.A.—524/Cal/93.

Asta Medica Aktiengesellschaft—473/Cal/93, 504/Cal/93 and 659/Cal/93.

—B—

BP Chemicals Limited.—669/Cal/93 and 670/Cal/93.

Babcock & Wilcox Co., The—382/Cal/93, 828/Cal/93, 829/Cal/93, 830/Cal/93 and 831/Cal/93.

Bachvinsky, N.—471/Cal/93.

Baker Norton Pharmaceuticals, Inc.—381/Cal/93.

Basumallick, I.N.—481/Cal/93.

Bavaria-Tech Werner Schlattl—614/Cal/93.

Berger, J.—523/Cal/93.

Bhattacharya, B. C.—407/Cal/93.

Bhattacharyya, D. K.—645/Cal/93.

Bhattacharya U. S. (Sri)—505/Cal/93, 532/Cal/93, 587/Cal/93 & 588/Cal/93.

Bina Metal Wav Pvt. Ltd.—536/Cal/93.

Birla Technical Services—508/Cal/93.

Broken Hill Proprietary Co. Ltd., The—615/Cal/93.

Bugatti Electronics S.R.L.—791/Cal/93.

Bulkiev, B. E.—524/Cal/93.

Bull, S. A.—687/Cal/93 and 713/Cal/93.

Bvsakh, A. K.—480/Cal/93.

Bysakh, T. K.—480/Cal/93.

—C—

Callaway Golf Company—825/Cal/93, 832/Cal/93 and 833/Cal/93.

Carclo Engineering group Plc.—474/Cal/93.

Cargill Incorporated—582/Cal/93.

Carnaudmetal Box S.A.—756/Cal/93.

Caviju S.L.—704/Cal/93.

Chang, D. P. (Mr)—422/Cal/93 and 423/Cal/93.



## —C—

Chatterjee, K. R.—646/Cal/93.  
 Chattopadhyay, S. K.—797/Cal/93.  
 Chaudhury, S. B.—646/Cal/93.  
 Cheil Foods & Chemicals, Inc.—813/Cal/93.  
 Cheng, D.—400/Cal/93.  
 Chen, I.C.C.—777/Cal/93.  
 Chen, J.H.L.—822/Cal/93.  
 Chowdhury, S.K.R.—485/Cal/93.  
 Claude, D. J.—758/Cal/93.  
 Combustion Engineering, Inc.—605/Cal/93, 633/Cal/93, 660/Cal/93, 666/Cal/93 and 678/Cal/93.  
 Commonwealth Scientific and Industrial Research Organisation—461/Cal/93 and 530/Cal/93.  
 Conrad Scholtz GmbH.—403/Cal/93.  
 Consteel S. A.—479/Cal/93.  
 Conti Florentia S.R.L.—594/Cal/93.  
 Cooper, C. E.—524/Cal/93.  
 Copeland Corporation—733/Cal/93 and 816/Cal/93.  
 Couwenbergs, P.—573/Cal/93.

## —D—

DB Inserters, Inc.—433/Cal/93.  
 Danieli & C. Officine Meccaniche S.P.A.—397/Cal/93, 464/Cal/93 & 566/Cal/93.  
 Dar, S. B.—739/Cal/93.  
 Debnath, S. (Sree)—581/Cal/93.  
 Degussa Aktiengesellschaft—378/Cal/93, 379/Cal/93, 612/Cal/93, 613/Cal/93, 617/Cal/93 and 622/Cal/93.  
 De Nora Permelec S.P.A.—515/Cal/93.  
 Deutsche Audco GmbH.—638/Cal/93.  
 Deutsche Voest—Alpine Industrieanlagenbau GmbH.—723/Cal/93.  
 Didion Manufacturing Company—537/Cal/93.  
 Discovery Communication, Inc.—762/Cal/93, 763/Cal/93, 764/Cal/93, 765/Cal/93, 766/Cal/93 and 767/Cal/93.  
 Dolai, H. P. (Shree)—795/Cal/93.  
 Douglas, R.—524/Cal/93.  
 Durgapur Projects Ltd.—508/Cal/93.  
 Dutta, R. K.—595/Cal/93.  
 Dyckerhoff & Widmann Aktiengesellschaft—672/Cal/93.

## —E—

ECO Innovations Ltd.—392/Cal/93.  
 E.I. Du Pont De Nemours and Company—384/Cal/93, 414/Cal/93, 684/Cal/93, 760/Cal/93 and 790/Cal/93.  
 Eaton Corporation—390/Cal/93, 425/Cal/93, 456/Cal/93, 644/Cal/93, 653/Cal/93, 654/Cal/93 and 688/Cal/93.  
 Eisenberg, M. (Dr.)—597/Cal/93.  
 Elmotec GmbH.—699/Cal/93.  
 El-Plasma Ltd.—512/Cal/93.  
 Emerson Electric Co.—388/Cal/93 and 608/Cal/93.  
 Emitec Gesellschaft Fur Emissionstechnologie MBH.—426/Cal/93, 542/Cal/93 and 772/Cal/93.  
 Energia Andina Ltd.—449/Cal/93.  
 Engelhard Corporation—671/Cal/93 and 735/Cal/93.  
 Euroceltique, S. A.—460/Cal/93.

## —F—

F H Faulding & Co. Ltd.—730/Cal/93.  
 Fabric and Manufacturing Principles, Inc.—594/Cal/93.  
 Finapael S.P.A.—431/93.  
 Framatome Connectors International Tour Fiat—569/Cal/93.  
 Friedrich W. Daunhin GmbH & Co. Entwicklungs-Und Beteiligungs—KG.—446/Cal/93, 447/Cal/93 and 452/Cal/93.  
 Frigoscandia Food Process Systems AB.—664/Cal/93 and 665/Cal/93.  
 4—317GI/94

## —G—

Ganguly, B. R.—527/Cal/93 and 528/Cal/93.  
 Gao Gesellschaft Fur automation Und organisation mbH.—809/Cal/93.  
 General Clutch Corporation—741/Cal/93.  
 General Electric Co.—380/Cal/93 and 438/Cal/93.  
 Georg Fischer Maschinenbau AG.—457/Cal/93.  
 Geraberg Thermometerwerk GmbH.—538/Cal/93.  
 Ghosh, D. (Sri)—549/Cal/93.  
 Ghosh, T.—683/Cal/93.  
 Glenayre Electronics, Inc.—476/Cal/93, 492/Cal/93 and 517/Cal/93.  
 Glockemann, R.—647/Cal/93.  
 Grain Systems, Inc.—782/Cal/93.  
 Great Lakes Chemical Corporation—689/Cal/93, 694/Cal/93 and 718/Cal/93.  
 Grumman Aerospace Corporation—702/Cal/93.

## —H—

Hamatech Halbleiter-Maschinenbau Und Technologie GmbH.—531/Cal/93.  
 Hansen, B.—468/Cal/93 & 498/Cal/93.  
 Harrison, I. A.—394/Cal/93.  
 Hart, G. R.—805/Cal/93.  
 Hartley, T.—728/Cal/93.  
 Heinrich Frings GmbH & Co. KG.—518/Cal/93.  
 Himont Incorporated—817/Cal/93.  
 Hindustan Motors Ltd.—493/Cal/93.  
 Hitachi Construction Machinery Co. Ltd.—491/Cal/93, 564/Cal/93, 661/Cal/93 and 769/Cal/93.  
 Hitachi Limited—685/Cal/93.  
 Hoechst Aktiengesellschaft—409/Cal/93, 410/Cal/93, 445/Cal/93, 482/Cal/93, 514/Cal/93, 577/Cal/93, 584/Cal/93, 585/Cal/93, 631/Cal/93, 634/Cal/93, 657/Cal/93, 658/Cal/93, 676/Cal/93, 677/Cal/93, 690/Cal/93, 691/Cal/93, 692/Cal/93, 709/Cal/93, 747/Cal/93, 749/Cal/93, 750/Cal/93, 752/Cal/93, 761/Cal/93, 799/Cal/93, 800/Cal/93 and 811/Cal/93.  
 Hoechst Celanese Corporation—458/Cal/93, 548/Cal/93, 602/Cal/93, 651/Cal/93 and 705/Cal/93.  
 Hoerbiger Ventilwerke Aktiengesellschaft—812/Cal/93.  
 Hollandse Signaalapparaten B. V.—496/Cal/93 and 810/Cal/93.  
 Holter Regelarmaturen GMBH & Co. KG.—786/Cal/93.  
 Hosch Enterprises—598/Cal/93.  
 Hsing, E.—400/Cal/93.  
 Hubbert & Wagner Fahrzeugausstattungen GmbH & Co. KG.—553/Cal/93.  
 Hurley, D. M.—489/Cal/93.  
 Hussain, A.—826/Cal/93.  
 Hydac Technology GmbH.—555/Cal/93.  
 Hydra Tools International Plc.—716/Cal/93.  
 Hydro Aluminium Systems S.P.A.—576/Cal/93.

## —I—

Idemitsu Petrochemical Co. Ltd.—591/Cal/93.  
 Indian Institute of Technology—485/Cal/93.  
 Indian Jute Industries' Research Association—469/Cal/93, 470/Cal/93 and 773/Cal/93.  
 Infor Telecom—543/Cal/93.  
 Innotech, INC.—719/Cal/93.  
 Instant Foundations (Aust.) Pty. Ltd.—780/Cal/93.  
 Instytut Chemit Przemyslowej—793/Cal/93.  
 Intellectual Property Holdings Pty. Ltd.—682/Cal/93.  
 Intermarket Media and Promotions Ltd.—789/Cal/93.  
 International Rolling Mill Consultants, Inc.—464/Cal/93.  
 Iscar Ltd.—490/Cal/93 and 495/Cal/93.

## —J—

J & P Coats Ltd.—668/Cal/93.  
 J. B. Hunt Corporation—720/Cal/93.  
 J. M. Voith GmbH.—427/Cal/93 and 467/Cal/93.  
 Jarvela, J.—740/Cal/93.  
 Jarvela, V.—740/Cal/93.  
 Jebco Packaging Systems, Inc.—404/Cal/93.  
 Jeon, D. W.—413/Cal/93.  
 John Lysaght (Australia) Ltd.—391/Cal/93, 727/Cal/93 & 731/Cal/93.  
 Johnson & Johnson Consumer Products, Inc.—695/Cal/93.  
 Johnson & Johnson Medical, Inc.—386/Cal/93, 578/Cal/93 and 698/Cal/93.  
 Johnson Electric S. A.—440/Cal/93, 725/Cal/93 and 808/Cal/93.  
 Jones, A. G.—524/Cal/93.

## —K—

Kabelmetal Electro Gesellschaft Mit Baschrakter Haftung—556/Cal/93.  
 Kaffley, O. C.—788/Cal/93.  
 Kanzaki, E.—738/Cal/93.  
 Kar B. (Mr)—377/Cal/93.  
 Kar, R. C.—732/Cal/93.  
 Kar, S. K. (Mr)—377/Cal/93.  
 Kar, T. K. (Mr)—377/Cal/93.  
 Kar, T. (Mr)—377/Cal/93.  
 Keravision Inc.—444/Cal/93, 513/Cal/93, 544/Cal/93 & 546/Cal/93.  
 Kerr—Mecree Chemical Corporation—579/Cal/93.  
 Khaitan, K. P.—593/Cal/93.  
 Khodinevaya Promyshlennoye — Finansovaya Kompaniya "Staraya Moskva"—770/Cal/93.  
 Kinghorst, J.—823/Cal/93.  
 Klinger AG.—783/Cal/93.  
 Kolene Corporation—429/Cal/93 and 439/Cal/93.  
 Koppelman, E.—562/Cal/93.  
 Kowanko, N.—385/Cal/93.  
 Krausz, E.—478/Cal/93.  
 Krone Aktiengesellschaft—435/Cal/93, 545/Cal/93 606/Cal/93, 640/Cal/93, 641/Cal/93 and 759/Cal/93.  
 Krupp Koppers GmbH.—450/Cal/93.  
 Kumar, V.—646/Cal/93.

## —L—

Laplan'e, D.E.—524/Cal/93.  
 Laporte Industries Ltd.—451/Cal/93.  
 Leiras Oy.—411/Cal/93 and 412/Cal/93.  
 Lim, C.P.—701/Cal/93.  
 Lim, J. Y.—736/Cal/93.  
 Ljuberetskoe Nauchno — Proizvodstvennoe Obiedinenie "Sojuz"—771/Cal/93.  
 Loesche GmbH.—398/Cal/93.  
 Low Water Binder, S.A.—804/Cal/93.  
 Luchaire Defense S.A.—637/Cal/93.

## —M—

Macri, J.N.—453/Cal/93 and 545/Cal/93.  
 Mahapatra, P.K.—586/Cal/93.  
 Maiti, R. (Dr.)—501/Cal/93.  
 Marquette Electronics, Inc.—746/Cal/93.  
 Matrix Telecommunications Ltd.—396/Cal/93.  
 Mcneil—Pnc. Inc.—502/Cal/93, 503/Cal/93, 624/Cal/93 & 803/Cal/93.  
 Mead Corporation, The—580/Cal/93.  
 Melanesia International Trust Co. Ltd.—488/Cal/93.  
 Metallgesellschaft Aktiengesellschaft—432/Cal/93, 533/Cal/93, 655/Cal/93 and 722/Cal/93.

## —M—

Metzeler Automotive Profiles GmbH.—649/Cal/93.  
 Minister for Public Works for and on behalf of the State of New South Wales, The—675/Cal/93.  
 Misra, S.R. (Sri)—547/Cal/93.  
 Mukherjee, A.—481/Cal/93.  
 Mukherjee, C. (Dr.)—814/Cal/93.  
 Mukhopadhyay, K. (Dr.)—507/Cal/93.

## —N—

Nabco Limited—824/Cal/93.  
 Nahar, S.S.—552/Cal/93.  
 Nandadasa, P.N.—636/Cal/93.  
 National Council of Science Museums—406/Cal/93.  
 National Dairy Development Board—389/Cal/93.  
 Niese, K.—681/Cal/93.  
 Nika Health Products Ltd.—416/Cal/93.  
 Norpharmco Inc.—554/Cal/93.  
 North Broken Hill Ltd.—574/Cal/93 and 753/Cal/93.  
 Norton Healthcare Ltd.—521/Cal/93 and 522/Cal/93.

## —O—

O. M. C. Marcato S. R. L.—693/Cal/93.  
 Oddisi Research Laboratory Ltd.—744/Cal/93.  
 Ohio Electronic Engravers, Inc.—643/Cal/93.  
 Ono, T.—526/Cal/93 and 567/Cal/93.  
 Optrel Ag.—420/Cal/93.  
 Organogenesis, Inc.—656/Cal/93.  
 Ormat Industries Ltd.—399/Cal/93.  
 Oxford University—408/Cal/93.  
 Oxymax Industries Corporation—621/Cal/93.

## —P—

P W H Anlagen & System GmbH.—610/Cal/93.  
 Pacific Seeds Pty. Ltd.—461/Cal/93.  
 Pal, A. (Dr.)—520/Cal/93.  
 Pal, A.K.—609/Cal/93.  
 Pal, S. (Dr.)—520/Cal/93.  
 Pal, T.K. (Dr.)—520/Cal/93.  
 Panja, S.R.—796/Cal/93.  
 Pannevis B.V.—754/Cal/93.  
 Patel, A. (MS.) Dr.—389/Cal/93.  
 Patent-Treuhand-Gesellschaft F. Elektrische Gluehlampen MbH.—686/Cal/93, 717/Cal/93, 742/Cal/93, 748/Cal/93, 792/Cal/93, 801/Cal/93 and 802/Cal/93.  
 Philips Electronics N.V.—768/Cal/93 and 819/Cal/93.  
 Phillips Petroleum Co.—401/Cal/93, 415/Cal/93, 434/Cal/93, 441/Cal/93, 448/Cal/93, 540/Cal/93, 590/Cal/93, 648/Cal/93, 652/Cal/93, 751/Cal/93, 784/Cal/93 and 787/Cal/93.  
 Pick, W.E.—541/Cal/93.  
 Polar Fan Industries Ltd.—729/Cal/93.  
 Precision Valve Australia Pty. Ltd.—405/Cal/93.  
 Pressindustria A.G.—674/Cal/93.  
 Previsic, B.—592/Cal/93.  
 Previsic, M.—592/Cal/93.

## —R—

R C A Thomson Licensing Corporation—583/Cal/93.  
 RGC Mineral Sands Ltd.—430/Cal/93.  
 Rai, R.N.—628/Cal/93, 629/Cal/93 and 630/Cal/93.  
 Ra, J.O.—736/Cal/93.  
 Rao, L.G.—519/Cal/93.  
 Ray, A.K.—645/Cal/93.  
 Redbend Technologies Inc.—417/Cal/93.  
 Research Foundation for Microbial Diseases of Osaka University, The—619/Cal/93, 620/Cal/93 and 650/Cal/93.  
 Restrop, P.A.—553/Cal/93.

—R—

Revlon Consumer Products Corporation—550/Cal/93.  
 Rhone—Poulenc Chimie—710/Cal/93.  
 Rizk, N.K.—745/Cal/93.  
 Rocktec Ltd.—499/Cal/93.  
 Rosen, H.E.—525/Cal/93.  
 Roy, S.—529/Cal/93.  
 Ruhrgas Aktiengesellschaft—639/Cal/93.

—S—

S K F Textilmaschinen—Komponenten GmbH.—632/Cal/and  
 667/Cal/93.  
 S K W Trostberg Aktiengesellschaft—565/Cal/93.  
 Saber Equipment Corporation—755/Cal/93.  
 Saha, H. (Prof.)—507/Cal/93.  
 Saha Institute of Nuclear Physics—561/Cal/93.  
 Santrade Ltd.—707/Cal/93 and 708/Cal/93.  
 Schmitt, R.—494/Cal/93.  
 Schanallinger, H. (Ing.)—639/Cal/93.  
 Sensarma, B. (Sri)—507/Cal/93.  
 Sharma, U.S.—646/Cal/93.  
 Shaw Industries Ltd.—696/Cal/93.  
 Sheng—Cheng, H.—400/Cal/93.  
 Siemens Aktiengesellschaft—436/Cal/93, 486/Cal/93, 487/  
 Cal/93 535/Cal/93, 539/Cal/93, 570/Cal/93, 571/Cal/93,  
 572/Cal/93, 589/Cal/93, 599/Cal/93, 600/Cal/93, 616/  
 Cal/93, 623/Cal/93, 625/Cal/93, 663/Cal/93, 679/Cal/93,  
 680/Cal/93 and 712/Cal/93.  
 Singh, R.N.—500/Cal/93.  
 Snow Brand Milk Products Co., Ltd.—818/Cal/93.  
 Solanki, C.V. (Mr.)—421/Cal/93.  
 Solanki, T.H. (Mrs.)—421/Cal/93.  
 Sotralentz S.A.—642/Cal/93.  
 Spherilene S.r.l.—558/Cal/93, 721/Cal/93 and 775/Cal/93.  
 Stahlecker, F.—395/Cal/93.  
 Stahlecker, H.—395/Cal/93.  
 Steelsworth Ltd.—635/Cal/93.  
 Steinheil Optronik GmbH.—443/Cal/93.  
 Stone & Webster Engineering Corporation—455/Cal/93,  
 534/Cal/93 & 785/Cal/93.  
 Stopinc Aktiengesellschaft—706/Cal/93.  
 Stork Screens B.V.—815/Cal/93.  
 Storz, K. (Dr.)—497/Cal/93.  
 Suh, K. H.—743/Cal/93.  
 Sunds Defibrator Industries Aktiebolag—774/Cal/93 & 821/  
 Cal/93.  
 Sunline Holdings Ltd.—419/Cal/93.  
 Supracolor Finanz Ag.—607/Cal/93.  
 Suri, R.—646/Cal/93.

—T—

Takata Corporation—509/Cal/93, 511/Cal/93 and 673/Cal/  
 93.  
 Tata Iron and Steel Co. Ltd., The—603/Cal/93, 604/Cal/93,  
 645/Cal/93 and 646/Cal/93.  
 Taubmans Proprietary Ltd.—391/Cal/93.  
 Technological Resources Pty.Ltd.—462/Cal/93, 475/Cal/93,  
 551/Cal/93 and 557/Cal/93.  
 Tetra Alfa Holdings S.A.—575/Cal/93.  
 Texaco Development Corporation—563/Cal/93 and 618/Cal/  
 93.  
 Texas A & M University Systems, The—463/Cal/93.  
 Thakur, P.—646/Cal/93.  
 Thames Water Utilities Ltd.—781/Cal/93.  
 Thomson Consumer Electronics, Inc.—437/Cal/93, 465/  
 Cal/93, 466/Cal/93, 483/Cal/93, 484/Cal/93, 662/Cal/  
 93, 724/Cal/93 and 798/Cal/93.

—T—

Tippins Incorporated—424/Cal/93.  
 Toranaga Technologies, Inc.—726/Cal/93.  
 Torcan Chemical Ltd.—402/Cal/93.  
 Torf Establishment—711/Cal/93.  
 Trico Ltd.—596/Cal/93 and 714/Cal/93.  
 Trico Products Corporation—559/Cal/93.  
 Trutzschler GmbH & Co. KG.—506/Cal/93, 734/Cal/93 &  
 806/Cal/93.

—U—

United Technologies Corporation—778/Cal/93 and 794/Cal/  
 93.

—V—

Vesta Medicines (Pty) Ltd.—626/Cal/93 and 627/Cal/93.  
 Vetrotex France—697/Cal/93.  
 Vuletic, B.—737/Cal/93.

—W—

Wagastaff Piling Pty. Ltd.—418/Cal/93.  
 Water Gremlin Co.—472/Cal/93.  
 Westinghouse Electric Corporation—827/Cal/93.  
 Wilhelm Hegenscheidt Gesellschaft M.b.H.—387/Cal/93 and  
 428/Cal/93.  
 Workwell Engineering India—383/Cal/93  
 Wu, I. C.—568/Cal/93.

## BOMBAY.

(213/Bom/93 to 452/Bom/93)

— A —

Adam, E.—244/Bom/93.  
 Adhikari, U. (Shri)—404/Bom/93.  
 Ahmedabad Textile Industry's Research Association—251/  
 Bom/93, 303/Bom/93, 363/Bom/93, 364/Bom/93, 365/  
 Bom/93, 366/Bom/93, 367/Bom/93, 368/Bom/93 and  
 369/Bom/93.  
 Alcoa Deutschland GmbH Packaging Works—447/Bom/93.  
 Almeida, B.—395/Bom/93.  
 Amler, W. (Mr.)—342/Bom/93.  
 Apte, S. M.—292/Bom/93.  
 Arjunwadekar, H. D.—306/Bom/93.  
 Associated Cement Companies Ltd., The—217/Bom/93, &  
 405/Bom/93.  
 Associated Precision Spindles Ltd. M/s.—213/Bom/93.  
 Automotive Research Association of India, The—299/Bom/  
 93 & 381/Bom/93.

— B —

Badheka, C. K.—240/Bom/93.  
 Bajaj Auto Ltd.—340/Bom/93.  
 Balsara Hygiene Products Ltd.—435/Bom/93.  
 Bam, A. V.—355/Bom/93.  
 Bapat, G. S.—262/Bom/93.  
 Barot, M.—230/Bom/93.  
 Batra, N. S.—286/Bom/93.  
 Bhide, M. J.—357/Bom/93.  
 Bhide, R. B. (Mrs.)—444/Bom/93.  
 Bhide, V.V.—290/Bom/93.  
 Bhogate, R.—347/Bom/93 and 348/Bom/93.  
 Bhole, P.M. (Mrs.)—288/Bom/93.  
 Bhopatkar, D.C.—316/Bom/93.

—C—

Cadila Laboratories Ltd.—356/Bom/93.  
 Central Institute for Research on Cotton Technology-239/  
 Bom/93.  
 Centre for Development of Advanced Computing—234/  
 Bom/93.  
 293/Bom/93, 319/Bom/93, 320/Bom/93, 352/Bom/93,  
 and 353/Bom/93.  
 Chandra, H. (Prof., Dr.)—263/Bom/93.  
 Chang, P.Y. (Dr.)—432/Bom/93.  
 Cosmos Pharmaceutical Corporation—393/Bom/93.  
 Crumpton Greaves Ltd.—371/Bom/93 and 372/Bom/93.

—D—

Dahankar, D.S.—350/Bom/93, 351/Bom/93, 374/Bom/  
 93, 375/Bom/93, 422/Bom/93 and 445/Bom/93.  
 Das, R.K.—272/Bom/93.  
 Degaonkar, S.M. (Mr.)—238/Bom/93.  
 Deodhar, P.—385/Bom/93.  
 Desai H.J.—331/Bom/93.  
 Deshpande, S.W.—219/Bom/93 and 341/Bom/93.  
 Dharamsey, A.A. (Mrs.)—258/Bom/93.  
 Dharamsey, K.A.—258/Bom/93.  
 Dharamsey, S.A.—258/Bom/93.  
 Dhonde, T.K.—420/Bom/93.  
 Director The Automotive Research Association of India, The  
 223/Bom/93 and 274/Bom/93.  
 Dongre, A.—260/Bom/93.

—E—

Eagle Flask Industries Ltd.—424/Bom/93.  
 Ebert, G. (Mrs.)—342/Bom/93.  
 Ecomax Agro System Limited—317/Bom/93.  
 Edroos, H.B.—241/Bom/93.

—G—

Gala, C.L.—425/Bom/93.  
 Gandhi, B.R.—215/Bom/93.  
 Gawanapatil, Y.A.—388/Bom/93.  
 Godbole, V.P. (Dr.)—357/Bom/93.  
 Gokhale, V.G.—359/Bom/93.  
 Gupta, D.—285/Bom/93.

—H—

Harish Textile Engineers Ltd.—378/Bom/93 and 379/Bom/  
 93.  
 Hindustan Lever Ltd.—218/Bom/93, 224/Bom/93, 226/  
 Bom/93, 227/Bom/93, 228/Bom/93, 231/Bom/93, 233/  
 Bom/93, 237/Bom/93, 253/Bom/93, 264/Bom/93, 279/  
 Bom/93, 280/Bom/93, 296/Bom/93, 297/Bom/93, 298/  
 Bom/93, 308/Bom/93, 309/Bom/93, 310/Bom/93, 311/  
 Bom/93, 315/Bom/93, 323/Bom/93, 338/Bom/93, 343/  
 Bom/93, 344/Bom/93, 345/Bom/93, 354/Bom/93, 373/  
 Bom/93, 389/Bom/93, 390/Bom/93, 392/Bom/93, 397/  
 Bom/93, 399/Bom/93, 400/Bom/93, 406/Bom/93, 408/  
 Bom/93, 410/Bom/93, 411/Bom/93, 412/Bom/93, 414/  
 Bom/93, 415/Bom/93, 416/Bom/93, 427/Bom/93, 428/Bom/  
 93, 436/Bom/93, 437/Bom/93, 438/Bom/93, 439/Bom/93,  
 440/Bom/93 and 449/Bom/93.  
 Hoechst India Ltd.—235/Bom/93.  
 Hukerikar, M.V. (Mrs.)—358/Bom/93.  
 Hukerikar, V.D.—429/Bom/93.  
 Hukerikar, Y.V. (Miss)—358/Bom/93.

—I—

Ichhaporia, B.R.—391/Bom/93.  
 Inamdar, S.S. (Miss)—304/Bom/93.  
 Indo-Biotech Foods Limited—376/Bom/93, 377/Bom/93,  
 423/Bom/93, & 446/Bom/93.  
 Indulkar, C.S.—383/Bom/93.  
 Indian Petrochemicals Corporation Ltd.—294/Bom/93, 295/  
 Bom/93 & 312/Bom/93.  
 Ingallhalikar, S.—281/Bom/93.  
 Ingrole, N.B.—222/Bom/93.  
 Isovolta Österreichische Isolierstoffwerke Aktiengesellschaft—  
 386/Bom/93.

—J—

Jark Electricks—346/Bom/93.  
 Jaswal, R.S. (Shri)—403/Bom/93.  
 Jogtekar, V.G.—394/Bom/93.  
 Joseph, C.A.—349/Bom/93.  
 Joshi, V. M.—276/Bom/93.  
 Joy, P.T.—229/Bom/93.

—K—

Kanitkar, R.U.—304/Bom/93.  
 Kemp & Company Ltd.—259/Bom/93.  
 Khadiolkar, A.G. (Shri)—402/Bom/93.  
 Khamar, B.M. (Dr.)—305/Bom/93.  
 Klenzaid's Bioclean Devices (P) Ltd.—407/Bom/93.  
 Kotkar, S.R.—275/Bom/93.  
 Kulkarni, P.K.—382/Bom/93.  
 Kulkarni, V.—245/Bom/93.  
 Kulkarni, V.P.—382/Bom/93.

—L—

Lalani, J.D.—267/Bom/93.  
 Larsen & Toubro Ltd.—418/Bom/93.  
 Litaka Pharmaceuticals Limited—326/Bom/93.  
 Lupin Laboratories Ltd.—327/Bom/93 and 421/Bom/93.

—M—

M R A S Marketing Research & Advisory Services Pvt. Ltd.—  
 434/Bom/93.  
 Maddali, G.R.—220/Bom/93 and 221/Bom/93.  
 Makowitzki, H. (Mr.)—333/Bom/93, 334/Bom/93, 335/  
 Bom/93, 336/Bom/93 and 337/Bom/93.  
 Maniktala, D.—270/Bom/93 and 271/Bom/93.  
 Maniktala, S. 270/Bom/93 and 271/Bom/93.  
 Manjula Consultancy Services Pvt. Ltd.—370/Bom/93.  
 Marulkar, S.N.—289/Bom/93.  
 Mashalkar, V.L.—289/Bom/93.  
 Mathew, S. (Mrs.)—265/Bom/93.  
 Mauser-werke GMBH.—443/Bom/93.  
 Mehta, H.C.—216/Bom/93.  
 Mintage Consultants Pvt. Ltd.—413/Bom/93.  
 Mundachalli, K.R.—431/Bom/93.

—N—

Nathuji, R.A.—380/Bom/93.  
 Navathe, S.B.—396/Bom/93.  
 Nevrekar, V.R.—249/Bom/93.  
 Nirarome Metal works Pvt. Ltd.—248/Bom/93.  
 Nogueira, R. (Mr.)—265/Bom/93.  
 Nogucira, R. (Mrs.)—265/Bom/93.

—O—

Oak, P.M.—252/Bom/93.  
 Olemuhle Leer Connemann GmbH & Co.—448/Bom/93.  
 Oil & Natural gas Commission—242/Bom/93.  
 Omega Teknologies Ltd. M/s.—291/Bom/93.

## —P—

Pal, R.B. (Dr.)—360/Bom/93 and 361/Bom/93.  
 Parikh, H.L.—255/Bom/93, 256/Bom/93, 450/Bom/93 & 451/Bom/93.  
 Parikh, R.S. (Dr.)—247/Bom/93  
 Parkar, A.A.—452/Bom/93.  
 Patel, B.N.—300/Bom/93.  
 Pathak, D.U. (Dr.)—328/Bom/93, 329/Bom/93 and 330/Bom/93.  
 Patwardhan, S.B.—429/Bom/93.  
 Patwardhan, S.A.—444/Bom/93.  
 Pawar, A.M.—430/Bom/93.  
 Pest Control (India) Ltd.—321/Bom/93, 322/Bom/93, and 417/Bom/93.  
 Polyolefines Industries Ltd.—398/Bom/93.  
 Ponshe, S.S.—282/Bom/93.  
 Praj Industries Ltd.—259/Bom/93.  
 Pusadkar, R.—245/Bom/93.

## —R—

Raju, R.B. (Shri)—409/Bom/93.  
 Rangarao M.G.—441/Bom/93.  
 Rashinkar, C.V.—313/Bom/93 and 314/Bom/93.  
 Renk Aktiengesellschaft—419/Bom/93.

## —S—

Samsung Electronics Co. Ltd.—243/Bom/93.  
 Sannabhadri, L.—385/Bom/93.  
 Sapre, M.V.—273/Bom/93.  
 Sardar Patel Renewable Energy Research Institute—433/Bom/93.  
 Sayaf, B.—283/Bom/93.  
 Scitech Centre—250/Bom/93, 266/Bom/93 and 267/Bom/93.  
 Seitz, T. (Mr.)—342/Bom/93.  
 Shah, A.M.—318/Bom/93.  
 Shah, H.—230/Bom/93.  
 Shah, K.R.—232/Bom/93.  
 Shah, S.H.—225/Bom/93 and 284/Bom/93.  
 Shah, V.C.—387/Bom/93.  
 Sharma, B.K. (Mr.)—268/Bom/93.  
 Sharma, M.—283/Bom/93.  
 Shelke, A.H.—257/Bom/93.  
 Shilcher Core Pvt. Ltd.—384/Bom/93.  
 Shirali, A.P.—442/Bom/93.  
 Shridhar, V.K.—307/Bom/93.  
 Siemens Ltd.—236/Bom/93.  
 Singh, A.—314/Bom/93.  
 Sinha, R.—261/Bom/93.  
 Sood, J. (Mr.)—268/Bom/93.  
 Star Holdings & Electronics Research Pvt. Ltd. M/s. 277/Bom/93 & 278/Bom/93.  
 Swishflo Pvt. Ltd. M/s.—214/Bom/93.

## —T—

Talcherkaris Display Systems Pvt. Ltd.—325/Bom/93.  
 Thermax Ltd.—362/Bom/93.  
 Trigon Metal Sections Pvt. Ltd.—254/Bom/93.

## —V—

Valadures, J.A.—339/Bom/93.  
 Varghes, M.—265/Bom/93.  
 Vartak, T. P.—246/Bom/93.  
 Verma, S. (Mrs.)—401/Bom/93.  
 Vishwakarma, R.—268/Bom/93.

## —Y—

Yadav, R. R.—301/Bom/93.  
 Yesudas, K. C.—332/Bom/93.

## —Z—

Zandu Pharmaceutical Works Ltd.—302/Bom/93.  
 Zuari Agro Chemicals Limited—426/Bom/93.

## MADRAS.

(449/Mas/93 to 938/Mas/93)

## —A—

A B B Flakt AB.—877/Mas/93.  
 Abraham, K. U. 590/Mas/93.  
 Ajinomoto Co., Inc.—638/Mas/93.  
 Akzo N. V.—497/Mas/93 and 650/Mas/93.  
 Alacritty Foundations Pvt. Ltd.—500/Mas/93, 544/Mas/93 and 545/Mas/93.  
 Alfa Laval Flow GmbH.—527/Mas/93.  
 American Telephone and Telegraph Co.—521/Mas/93, 705/Mas/93 & 747/Mas/93.  
 Amgen Inc.—561/Mas/93 and 562/Mas/93.  
 Ammonia Casale S. A.—842/Mas/93.  
 Amsted Industries Incorporated—769/Mas/93.  
 Andrea Electronics Corporation—648/Mas/93.  
 Apparatebau Rothemühle Brandt & Kritzler GmbH/594/Mas/93.  
 Applied Research & Technology Limited—709/Mas/93.  
 Arbiter Technologies, LLC.—725/Mas/93.  
 Asai Germanium Research Institute Co. Ltd.—926/Mas/93.  
 Asea Brown Boveri AG—918/Mas/93.  
 Asea Brown Boveri Ltd.—516/Mas/93 and 799/Mas/93.  
 Astra Research Centre India—559/Mas/93.

## —B—

BASF Aktiengesellschaft—476/Mas/93, 520/Mas/93 and 669/Mas/93.  
 B I C Corporation—759/Mas/93, 760/Mas/93, 761/Mas/93 and 762/Mas/93.  
 B. M. Birla Science Centre—488/Mas/Mas/93, 512/Mas/93 and 514/Mas/93.  
 B O C Ohmeda AB.—845/Mas/93.  
 Babin, J. E.—694/Mas/93 and 695/Mas/93.  
 Badchi, P.—599/Mas/93.  
 Bandgap Technology Corporation—900/Mas/93.  
 Bansal, S. K.—748/Mas/93.  
 Barmag AG.—856/Mas/93 & 859/Mas/93.  
 Basu, D. P.—583/Mas/93.  
 Basu, R.—721/Mas/93.  
 Basu, R. (Dr.)—583/Mas/93.  
 Bechtel Group Inc.—879/Mas/93.  
 Benjamin, N. C.—834/Mas/93.  
 Bhuaneswaran, B.—699/Mas/93.  
 Billing, E. (nmn)—694/Mas/93 and 695/Mas/93.  
 Boi Flo Ltd.—916/Mas/93.  
 Bioglugaus L. P.—536/Mas/93.  
 Board of Governors of Wayne State University, The—457/Mas/93.  
 Bodnar, E. R.—614/Mas/93, 691/Mas/93 and 692/Mas/93.  
 Boots Company PCL, The—461/Mas/93, 770/Mas/93 and 861/Mas/93.  
 Brady, R. C. (III)—739/Mas/93.  
 Brigham Young University—863/Mas/93.  
 British Aerospace Public Ltd. Co.—515/Mas/93.  
 British-American Tobacco Co. Ltd.—480/Mas/93.  
 British Gas PLC.—869/Mas/93.  
 Bryant, D. R.—695/Mas/93.  
 Bunker, R. S. A.—869/Mas/93.  
 Buss AG.—750/Mas/93.

## — C —

CPC International Inc.—832/Mas/93.  
 CSIR—495/Mas/93.  
 C T L Diehm International—460/Mas/93.  
 Cabot Corporation—532/Mas/93 and 549/Mas/93.  
 Canon Kabushiki Kaisha—509/Mas/93, 541/Mas/93, 684/Mas/93 and 685/Mas/93.  
 Carnaudmetal Box PLC—674/Mas/93.  
 Cartonal Machines India Private Limited—886/Mas/93.  
 Caschem, Inc.—737/Mas/93.  
 Castrol Limited—463/Mas/93.  
 Caterpillar Inc.—635/Mas/93, 636/Mas/93 and 727/Mas/93.  
 Centre Technique Des Industries Mechaniques—873/Mas/93.  
 Chen, H. Y.—814/Mas/93.  
 Chevron Research and Technology Co.—811/Mas/93, 858/Mas/93 and 889/Mas/93.  
 Chhajer, S. P.—748/Mas/93.  
 China Petro-Chemical Corporation—818/Mas/93.  
 Cogifer-Compagnie Generale D'Installations Ferrevoires—776/Mas/93.  
 Colorado State University Research Foundation—907/Mas/93.  
 Comalco Aluminium Ltd.—506/Mas/93 and 507/Mas/93.  
 Commonwealth Scientific and Industrial Research Organisation—449/Mas/93, 451/Mas/93 and 849/Mas/93.  
 Courtaulds Coatings (Holdings) Limited—788/Mas/93.  
 Courtaulds Packaging, Inc.—526/Mas/93.

## — D —

D C R S (Barbados) Ltd.—649/Mas/93.  
 D S M N. V.—454/Mas/93, 570/Mas/93, 810/Mas/93, 853/Mas/93, and 868/Mas/93.  
 Dalmia Centre for Biotechnology—667/Mas/93, 668/Mas/93, 689/Mas/93 and 690/Mas/93.  
 Damodaran, R.—610/Mas/93.  
 Dana Corporation—607/Mas/93, 720/Mas/93, 796/Mas/93, 797/Mas/93, 880/Mas/93, 895/Mas/93, 898/Mas/93 and 933/Mas/93.  
 Davstar California, Inc.—613/Mas/93.  
 Davy McKee (London) Limited—771/Mas/93.  
 Day, C. E.—558/Mas/93.  
 Devakibalan, R.—748/Mas/93.  
 Director of National Food Research Institute Ministry of Agriculture—926/Mas/93.  
 Divakaran, C. P.—589/Mas/93.  
 Doduco GmbH + Co. K. G.—528/Mas/93.  
 Dow Chemical Company, The—478/Mas/93, 508/Mas/93, 767/Mas/93 and 768/Mas/93.  
 Drusila Francis—609/Mas/93.  
 Dynamit Nobel Aktiengesellschaft—875/Mas/93.

## — E —

ELF Atochem S. A.—793/Mas/93 and 904/Mas/93.  
 Empyrean Diagnostics Inc.—899/Mas/93.  
 Energy Biosystems Corporation—473/Mas/93.  
 Enichem Elastomeri S. r.l.a—708/Mas/93.  
 Enzyme Bio-Systems Ltd.—766/Mas/93.  
 P. L. Smidh & Co. A/s.—676/Mas/93, 677/Mas/93, 678/Mas/93, 854/Mas/93 and 891/Mas/93.  
 F M C Corporation—753/Mas/93.  
 Falitex Project - Company GmbH—733/Mas/93.  
 Foseco International Limited—872/Mas/93.  
 Foundation Pour La Recherche des maladies gastro-intestinales—782/Mas/93.  
 Frisco - Findus AG.—791/Mas/93.

## — G —

GAF-Huls Chemie GmbH.—731/Mas/93.  
 G R C Alsthom India Limited—783/Mas/93.  
 Gada, K. M.—749/Mas/93.  
 Gangadharan, P. G.—794/Mas/93.  
 George, J.—888/Mas/93.  
 Gilmore Transportation Services, Inc.—701/Mas/93.  
 Girikumar, A.—728/Mas/93.  
 Gopalakrishnan, S. P.—938/Mas/93.  
 Govindachari, P. C.—539/Mas/93.

## — H —

Hamon - Sobelco S. A.—564/Mas/93.  
 Harinarayana, K. (Dr.)—857/Mas/93.  
 Harris, A. E.—710/Mas/93.  
 Heilmeyer & Weinlein Fabrik F. Oel-Hydraulix GMBH & Co. KG.—909/Mas/93.  
 Helionetics Inc.—644/Mas/93.  
 Heller Dejudio Corporation—525/Mas/93.  
 Hendrikse, P. J.—498/Mas/93.  
 Henkel Kommanditgesellschaft auf Aktien.—603/Mas/93, 703/Mas/93 & 757/Mas/93.  
 Himont Incorporated—604/Mas/93.  
 Hoechst Aktiengesellschaft—519/Mas/93, 555/Mas/93, 663/Mas/93, 819/Mas/93 and 890/Mas/93.  
 Hondruras, Z. L.—934/Mas/93.  
 Hoogovens Groep B. V.—751/Mas/93 and 897/Mas/93.  
 Hsieh, C. C.—659/Mas/93 and 824/Mas/93.  
 Huls Aktiengesellschaft—792/Mas/93.  
 Hygela Biomedical Research Inc.—864/Mas/93.  
 Hynninen, P. (Dr.)—932/Mas/93.  
 Hyplast N. V.—600/Mas/93.

## — I —

IDB Holding S. P. A.—905/Mas/93.  
 I M Z Fertigungs-Und Vertriebsgesellschaft Fur Dentals Technologie mbH.—707/Mas/93.  
 India Nippon Electricals Limited—680/Mas/93.  
 Indian Institute of Technology—481/Mas/93, 505/Mas/93, 655/Mas/93 and 813/Mas/93.  
 Indian Space Research Organisation—925/Mas/93.  
 Inland Steel Company—566/Mas/93.  
 Innovation Communication Systems (Pvt.) Ltd.—513/Mas/93.  
 Institute Francais Du Petrole—493/Mas/93, 571/Mas/93, 598/Mas/93, 764/Mas/93, 780/Mas/93 and 862/Mas/93.  
 Inventio AG.—682/Mas/93.  
 Iscor Limited—892/Mas/93.  
 Ital Traco S. R. L.—746/Mas/93.

## — J —

Jagdeesan, T. V.—758/Mas/93.  
 Japan Exlan Company Limited—723/Mas/93.  
 Japan Metals & Chemicals Co., Ltd.—643/Mas/93.  
 Jatalakshmi, K.—623/Mas/93.  
 Javid, C.S.—647/Mas/93.  
 Jingling Petrochemical Company—818/Mas/93.  
 Johnson, G.—615/Mas/93 and 616/Mas/93.  
 Jorgensen, R.J.—556/Mas/93 and 739/Mas/93.  
 Joseph, N.J.—885/Mas/93.  
 Jun, F.A.—575/Mas/93.

## —K—

Kabushiki Kaisha Hino Seisakusho.—664/Mas/93.  
 Kao, S.C.—739/Mas/93.  
 Karol, F.J.—739/Mas/93.  
 Kimberly-Clark Corporation—672/Mas/93, 713/Mas/93,  
 714/Mas/93, 730/Mas/93, 914/Mas/93 and 915/Mas/93.  
 Kinerger Corporation—773/Mas/93.  
 Kirksey, W.E.—772/Mas/93.  
 Kishore, N. (Dr.)—870/Mas/93.  
 Klockner-Humboldt-Deutz AG.—619/Mas/93.  
 Koenig & Bauer AG.—477/Mas/93.  
 Korea Research Institute of Chemical Technology—565/  
 Mas/93.  
 Kubota Corporation—876/Mas/93.  
 Kurup, P.G.—524/Mas/93.  
 Kvaerner Engineering A.S.—924/Mas/93.

## —L—

La Francaise Des Jeux.—722/Mas/93.  
 Lai, J.—529/Mas/93.  
 Lakshmi Machine Works Limited—742/Mas/93.  
 Lalitha, S.—623/Mas/93.  
 Lalyan, K.S.—471/Mas/93.  
 Laurisdahl Helle & Oellgaard NIS.—697/Mas/93.  
 Leonhard Kurz GMBH & Co.—477/Mas/93.  
 Leung, T.W.—695/Mas/93.  
 Liquid Carbonic Corporation—617/Mas/93.  
 Lockwood, H.N. (Jr.)—763/Mas/93.  
 Loyal Super Fabrics Limited—656/Mas/93.  
 Lucas Industries Public Limited Company—745/Mas/93.  
 Lynn, T.R.—739/Mas/93.

## —M—

Mac Loan-Fogg Company—621/Mas/93.  
 Macrovision Corporation—576/Mas/93, 653/Mas/93 and  
 675/Mas/93.  
 Maher, J.M.—694/Mas/93 and 695/Mas/93.  
 Mangala Kumari C.K.—511/Mas/93.  
 Man Gutehoffnungshutte AG.—931/Mas/93.  
 Manitowoc Company, Inc., The—838/Mas/93.  
 Manojkumar, K.B.—740/Mas/93.  
 Marmon Corporation of Canada, The—637/Mas/93.  
 Maruyama, N.—479/Mas/93.  
 Maschinenfabrik Rieter Ag.—458/Mas/93, 459/Mas/93,  
 467/Mas/93, 468/Mas/93, 469/Mas/93, 470/Mas/93, 494/  
 Mas/93, 502/Mas/93, 517/Mas/93, 518/Mas/93, 540/Mas/  
 93, 563/Mas/93, 592/Mas/93, 660/Mas/93, 665/Mas/93,  
 702/Mas/93, 706/Mas/93, 815/Mas/93 and 851/Mas/93.  
 Medevelop AB.—736/Mas/93 and 839/Mas/93.  
 Menon, M.A.—501/Mas/93.  
 Merck Patent GmbH.—600/Mas/93.  
 Merpro Tortex Limited—484/Mas/93.  
 Merz+Co. GmbH & Co.—538/Mas/93.  
 Metallgesellschaft AG.—892/Mas/93.  
 Micronisers Pty. Ltd.—466/Mas/93.  
 Millmore Engineering Private Limited—744/Mas/93.  
 Meltex Engineers (P) Ltd., M/S.—485/Mas/93.  
 Mitech Scientific Corporation—658/Mas/93.  
 Mobil Oil Corporation—633/Mas/93.  
 Modak, M.—721/Mas/93.  
 Mohan, E.S.—866/Mas/93.  
 Morisato Company—627/Mas/93, 628/Mas/93, 778/Mas/  
 784/Mas/93, 809/Mas/93 and 922/Mas/93.  
 Moosa, K.M.—852/Mas/93.  
 Morris, K.S.—772/Mas/93.  
 Multiclip Company Limited—624/Mas/93.  
 Multistock International Limited—871/Mas/93.

Munn, E.A.—487/Mas/93.  
 Munuswamy, V.—567/Mas/93.  
 Murphy, R.P.—551/Mas/93 and 552/Mas/93.  
 Murthy, S.V.—612/Mas/93 and 789/Mas/93.  
 Murty, B.S.—489/Mas/93.  
 Muthusamy, K.—833/Mas/93.  
 Mysore Sandal Products.—634/Mas/93 and 642/Mas/93.

## —N—

N.V. Raychem S.A.—630/Mas/93.  
 Nagaoka, T.—781/Mas/93.  
 Nakano, K.—671/Mas/93.  
 Narayanan, A.S.—822/Mas/93.  
 Nayak, U.V.—652/Mas/93 and 679/Mas/93.  
 Neem Pharmac—639/Mas/93.  
 Neste OY.—906/Mas/93.  
 New England Brading Company, Inc.—681/Mas/93.  
 Nordenskjold, R.V. (Dr.-Ing.)—756/Mas/93.  
 Norton Chemical Process Products Corporation—936/  
 Mas/93.  
 Norton Company—456/Mas/93.  
 Novo Nordisk Entotech Inc.—786/Mas/93.  
 Nycomed Dak A/S.—686/Mas/93.

## —O—

Otto WU.—779/Mas/93.  
 Ownes-Brockway Glass Container Inc.—580/Mas/93.  
 Owens-Illinois Closure Inc.—496/Mas/93 and 726/Mas/93.

## —P—

P P V Verwaltungs AG.—483/Mas/93.  
 Padikone, L.R.—489/Mas/93.  
 Palaniappan, C. (Dr.)—550/Mas/93.  
 Palitex Project-Company GmbH.—625/Mas/93.  
 Pall Corporation—777/Mas/93 and 883/Mas/93.  
 Petroleo Brasileiro SA-Petrobras—670/Mas/93.  
 Philip Morris Products Inc.—765/Mas/93 and 910/Mas/93.  
 Philipose, A.S. (Mrs.)—913/Mas/93.  
 Pilkington Glass Limited—455/Mas/93, 835/Mas/93 and  
 836/Mas/93.  
 Pilkington Visioncare Inc.—848/Mas/93.  
 Pillai, P.P.S.—704/Mas/93.  
 Plasma Energy Corporation—662/Mas/93.  
 Plasson Maagam Michael Industries Ltd.—693/Mas/93 and  
 937/Mas/93.  
 Plastro-Gvat.—486/Mas/93.  
 Poongani, R.—464/Mas/93.  
 Portland Smelter Services Pty. Ltd.—474/Mas/93.  
 Pradhan, D.C. (Sri)—645/Mas/93.  
 Preez, A.J.D.—629/Mas/93.  
 Preez, S.D.—629/Mas/93.  
 Procyte Corporation—785/Mas/93.  
 Pullmann Company, The—596/Mas/93.  
 Qualcomm Incorporated—816/Mas/93 and 817/Mas/93.

## —R—

Radhakrishna, G.—935/Mas/93.  
 Radhakrishnan, P.—626/Mas/93.  
 Rahiman, A.A.—535/Mas/93.  
 Rajesh, R.—748/Mas/93.  
 Ralph, R.—917/Mas/93.  
 Ramachandran, M.—631/Mas/93.  
 Ramagnoli, F.—522/Mas/93.  
 Ramanathan, D.J.—912/Mas/93.  
 Raman, N.S.I.K.—688/Mas/93.

## —R—

Ramar, P.—464/Mas/93.  
 Ramesh, R.—472/Mas/93.  
 Rao, G.D.K.—843/Mas/93.  
 Rao, P.V.—698/Mas/93.  
 Rao, S.—587/Mas/93.  
 Rao, S. (B.Y.)—611/Mas/93.  
 Rao, T.K.V.—543/Mas/93.  
 Rasmussen, O.B.—452/Mas/93.  
 Ratankar, B.V.—654/Mas/93.  
 Ravindranath, M. (Dr.)—935/Mas/93.  
 Raychem Corporation—850/Mas/93.  
 Raychem Limited—798/Mas/93.  
 Raykar, M.V.—789/Mas/93.  
 Reckitt & Colman Products Limited—553/Mas/93.  
 Reddy, C.R.—908/Mas/93.  
 Rewdale Precision Tools Private Limited—683/Mas/93.  
 Rhone-Poulenc Chimie—741/Mas/93.  
 Rieter Ingolstadt—533/Mas/93 and 743/Mas/93.  
 Rieter Ingolstadt Spinnereimaschinenbau AG.—450/Mas/93.  
 453/Mas/93, 577/Mas/93, 578/Mas/93 and 841/Mas/93.  
 Rite Products.—641/Mas/93.  
 Rocky Research—574/Mas/93.  
 Roschberg, P.—930/Mas/93.  
 Rosemount Inc.—606/Mas/93 and 618/Mas/93.

## —S—

ST-Speicher-Technologie GmbH.—860/Mas/93.  
 Sabapathy, N.T.—608/Mas/93, 622/Mas/93 and 734/Mas/93.  
 Sahasranaman, C.R.—795/Mas/93.  
 Sakthivel, K.—699/Mas/93.  
 Sanchez, F.S.—712/Mas/93.  
 Sandoz Ltd.—568/Mas/93.  
 Sandvik AB.—865/Mas/93.  
 Sankaranarayanan, S.—504/Mas/93.  
 Sanyo Electric Co., Ltd.—820/Mas/93.  
 Saravanan, R.—656/Mas/93.  
 Sathyanarayana, M.V.S.—657/Mas/93.  
 Schaaf Technologie GmbH.—821/Mas/93.  
 Sedopro—534/Mas/93, 537/Mas/93, 846/Mas/93, 927/Mas/93 and 928/Mas/93.  
 Sekhara, R.C. (Capt.)—715/Mas/93.  
 Senetek PLC.—666/Mas/93.  
 Shasun Chemicals & Drugs Ltd.—661/Mas/93.  
 Shell Internationale Research Maatschappij B.V.—601/Mas/93, 884/Mas/93 and 919/Mas/93.  
 Shet, G.V.—729/Mas/93 and 837/Mas/93.  
 Shimon NER-Gaon.—582/Mas/93.  
 Showa Denko K.K.—475/Mas/93.  
 Sima S.A.—867/Mas/93.  
 Singapore, B.C.—934/Mas/93.  
 Sintetica S.A.—523/Mas/93 and 696/Mas/93.  
 Sirprogetti S.r.l.—826/Mas/93.  
 Sivaprasad, P. (Dr.)—827/Mas/93, 828/Mas/93, 829/Mas/93, 830/Mas/93 and 902/Mas/93.  
 Sivaramakrishna, C.—698/Mas/93.  
 Skaria, T.V.—482/Mas/93.  
 Smith, T.S.—487/Mas/93.  
 Societe Des Produits Nestle S.A.—462/Mas/93, 585/Mas/93, 591/Mas/93, 640/Mas/93, 874/Mas/93 and 896/Mas/93.  
 Solvay Interlox Limited—878/Mas/93 and 929/Mas/93.  
 South India Textile Research Association, The—485/Mas/93.  
 711/Mas/93, 823/Mas/93, 831/Mas/93, 844/Mas/93 and 881/Mas/93.  
 Sparlin, D.D.—781/Mas/93.  
 Sree Chitra Tirunal Institute for Medical Sciences & Technology—530/Mas/93, 531/Mas/93, 735/Mas/93 and 775/Mas/93.  
 Sreekumar, P.—503/Mas/93 and 595/Mas/93.

Sreekumar, P.—503/Mas/93 and 595/Mas/93.  
 Standard Packagings M/s.—935/Mas/93.  
 State of Israel—584/Mas/93.  
 Sturm Ruger & Company, Inc.—787/Mas/93.  
 Sudhakar, G.—935/Mas/93.  
 Sudhan, M.V.M.—887/Mas/93.  
 Sugita, S.—597/Mas/93.  
 Sumitomo Corporation—921/Mas/93.

## —T—

TV Answer International, Inc.—752/Mas/93.  
 TVS-Suzuki Limited—588/Mas/93.  
 Takata Corporation—542/Mas/93, 546/Mas/93, 547/Mas/93, 548/Mas/93, 572/Mas/93, 573/Mas/93, 620/Mas/93 and 719/Mas/93.  
 Tamil Nadu Newsprint & Papers Limited—754/Mas/93 and 755/Mas/93.  
 Technological Resources Pty. Ltd.—901/Mas/93.  
 Terres Refractaires Du Boulonnais—687/Mas/93.  
 Tetra Laval Holdings & Finance S.A.—700/Mas/93.  
 Thaikatil, J. (Dr.)—716/Mas/93, 717/Mas/93 and 718/Mas/93.  
 Thailand, L.K.K.—934/Mas/93.  
 Thayyil, A. (Dr.)—482/Mas/93.  
 Thayyil, G.A.—482/Mas/93.  
 Thomas, K.T.—774/Mas/93.  
 Thompson Technology Limited Partnership—847/Mas/93.  
 Transcom Gas Technologies Pty. Ltd.—893/Mas/93.  
 Trustees of The University of Pennsylvania, The—499/Mas/93.  
 Twofish Unlimited—569/Mas/93.

## —U—

Udupa, P.—465/Mas/93.  
 Uncle Bon's Inc.—790/Mas/93.  
 Unilever Australia Limited—466/Mas/93.  
 Union Oil Company of California—812/Mas/93.  
 University College London—894/Mas/93.  
 University of Southern California—561/Mas/93 and 562/Mas/93.  
 University of Western Australia, The—901/Mas/93.  
 Urea Casale S.A.—920/Mas/93.  
 Urval, T.—465/Mas/93.

## —V—

VST Industries Limited—646/Mas/93.  
 Varadarajan, C.—560/Mas/93.  
 Varghese, T.S.—482/Mas/93.  
 Varveris, N.G.—738/Mas/93.  
 Vidamed, Inc.—579/Mas/93.  
 Vijayan, T. A.—650/Mas/93, 651/Mas/93 and 903/Mas/93.  
 Vijaykumar, C. S.—795/Mas/93.  
 Vinusoman—492/Mas/93.  
 Viozat, A.—623/Mas/93.  
 Viostat (NA) NV.—632/Mas/93.  
 Vittal Mallya Scientific Research Foundation—490/Mas/93 and 491/Mas/93.

## —W—

WES Technology Inc.—923/Mas/93.  
 W. L. Gore & Associates (UK) Limited—911/Mas/93.  
 Warwick International Group Limited—855/Mas/93.  
 Wasserman, E. P.—739/Mas/93.  
 Welgro BV.—882/Mas/93.  
 Williams, J. L.—510/Mas/93.



## —X—

Xerox Corporation—581/Mas/93.

## —Z—

Zanussi Elettrodomestici S.P.A.—724/Mas/93, 732/Mas/93 and 840/Mas/93.

Zaptech Corporation—602/Mas/93.

Zardi, U.—842/Mas/93.

Zellweger Uster AG.—586/Mas/93 and 593/Mas/93.

Zellweger Uster Inc.—673/Mas/93, 801/Mas/93, 802/Mas/93, 803/Mas/93, 804/Mas/93, 805/Mas/93, 806/Mas/93 and 807/Mas/93.

Zellweger Uster Ltd.—557/Mas/93.

Zeppelin Schuttguttechnik GmbH.—825/Mas/93.

Zing, M. S.—554/Mas/93.

Zonagen, Inc.—800/Mas/93.

## DELHI

(679/Del/93 to 1497/Del/93)

## —A—

ABB EPT Construction Pty. Ltd.—1154/Del/93.

AB SK—1143/Del/93.

AB V—1419/Del/93.

A. Monforts GmbH & Co.—1111/Del/93.

A. Monforts Textilmaschinen GmbH & Co.—1124/Del/93.

Abe, K.—723/Del/93.

Advanced Elastomer Systems, L. P.—1226/Del/93 and 1452/Del/93.

Advanced Microdevices Pty. Ltd.—869/Del/93 and 1295/Del/93.

Advanced Mining Software Ltd.—857/Del/93.

Aggarwal, G. C.—1296/Del/93.

Agrifim Irrigation International N. V.—1316/Del/93.

Ahmad, K.—772/Del/93.

Aktiebolaget Astra—870/Del/93, 1140/Del/93 and 1445/Del/93.

Albright & Wilson Limited—1131/Del/93 and 1174/Del/93.

Alcatel N. V.—1052/Del/93.

Alliedsignal Europe Services Techniques—967/Del/93, 968/Del/93, 1134/Del/93, 1135/Del/93, 1136/Del/93, 1244/Del/93 and 1245/Del/93.

Allied-Signal Inc.—1251/Del/93.

Amoco Corporation—1387/Del/93 and 1423/Del/93.

Anfilco Limited—1041/Del/93 and 1042/Del/93.

Armstrong World Industries, Inc.—1118/Del/93.

Asea Brown Boveri AB.—1233/Del/93, 1311/Del/93 and 1313/Del/93.

Ashahi Denka Kogyo Kabushiki Kaisha—679/Del/93, 680/Del/93 and 681/Del/93.

Automatic Switch Co.—835/Del/93.

## —B—

BBA Canada Limited—1242/Del/93.

BF Goodrich Company, The—899/Del/93 and 1104/Del/93.

B. P. Chemicals Limited—730/Del/93, 935/Del/93, 936/Del/93, 1003/Del/93, 1188/Del/93 and 1376/Del/93.

Barar, P.—1027/Del/93.

Battu, A. K.—1454/Del/93.

Bausch & Lomb Incorporated—793/Del/93, 794/Del/93, 795/Del/93, 921/Del/93, 928/Del/93, 933/Del/93, 946/Del/93, 1036/Del/93, 1299/Del/93 and 1495/Del/93.

Bawa, B. S.—705/Del/93.

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Bayer Aktiengesellschaft—974/Del/93, 975/Del/93 and 1249/Del/93.

Berg, R. V.—1262/Del/93.

Bergwerksverband GmbH.—813/Del/93.

Bharat Heavy Electricals Ltd.—709/Del/93, 710/Del/93, 1008/Del/93, 1069/Del/93, 1078/Del/93 and 1079/Del/93.

Bhasin, L. C.—1137/Del/93.

Bhatnagar, S.—901/Del/93.

Biogal Gyogyszergyar RT.—1130/Del/93.

Biundell, B. G.—1002/Del/93.

Board of The Research Institute of Malaysia, The—1282/Del/93.

Braunmarakshas, M. R.—1355/Del/93.

Brucut Parmentier—719/Del/93.

British Petroleum Company P.L.C., The—1362/Del/93.

British Technology Group Limited—882/Del/93, 1011/Del/93 and 1324/Del/93.

British United Shoe Machinery Limited—1254/Del/93.

Brown, C. K. (Jr.)—871/Del/93 and 872/Del/93.

Buehler AG.—1215/Del/93 and 1218/Del/93.

## —C—

CIBA—Geigy AG.—732/Del/93 and 1315/Del/93.

CSIR of Scientia—1312/Del/93.

Castrol Limited—1176/Del/93.

Chakladar, L. (Smt.)—873/Del/93.

Charmers, S. E.—1383/Del/93.

Chatterjee, J. K.—1454/Del/93.

Chemie Linz Gesellschaft m.b.H.—742/Del/93, 743/Del/93 and 1322/Del/93.

Chemische Fabrik Stockhausen GmbH.—880/Del/93 and 1346/Del/93.

Chicago Pneumatic Tool Company—1408/Del/93.

Chief Controller, Research & Development Defence Research & Development Organisation, Ministry of Defence, Govt. of India—806/Del/93, 810/Del/93, 898/Del/93, 1025/Del/93, 1270/Del/93, 1271/Del/93, 1272/Del/93 and 1273/Del/93.

Chorlton, D. C.—1145/Del/93.

Christen, E.—1428/Del/93.

Chung, Y. S.—723/Del/93.

Cogifer—Compagnie Generale D' Installations Ferroviaires—1015/Del/93.

Coleman, P. D.—1320/Del/93.

Colgate—Palmolive Co.—688/Del/93, 717/Del/93, 763/Del/93, 819/Del/93, 820/Del/93, 821/Del/93, 826/Del/93, 904/Del/93, 1045/Del/93, 1046/Del/93, 1047/Del/93, 1071/Del/93 and 1350/Del/93.

Coltec Industries Inc.—1292/Del/93.

Comptoir—Lyon Alemand—Louyot—781/Del/93.

Corbishley, T. J.—860/Del/93.

Corning Incorporated—1276/Del/93 and 1474/Del/93.

Cosco (India) Private Limited—1432/Del/93.

Council of Scientific and Industrial Research—682/Del/93, 707/Del/93, 708/Del/93, 746/Del/93, 747/Del/93, 748/Del/93, 749/Del/93, 774/Del/93, 775/Del/93, 823/Del/93, 824/Del/93, 825/Del/93, 826/Del/93, 827/Del/93, 828/Del/93, 829/Del/93, 830/Del/93, 858/Del/93, 861/Del/93, 862/Del/93, 905/Del/93, 906/Del/93, 907/Del/93, 908/Del/93, 909/Del/93, 910/Del/93, 911/Del/93, 912/Del/93, 956/Del/93, 958/Del/93, 959/Del/93, 960/Del/93, 961/Del/93, 962/Del/93, 990/Del/93, 991/Del/93, 992/Del/93, 993/Del/93, 994/Del/93, 995/Del/93, 996/Del/93, 997/Del/93, 1018/Del/93, 1019/Del/93, 1048/Del/93, 1083/Del/93, 1084/Del/93, 1085/Del/93, 1086/Del/93, 1087/Del/93, 1088/Del/93, 1089/Del/93, 1090/Del/93, 1091/Del/93, 1096/Del/93, 1100/Del/93, 1160/Del/93, 1161/Del/93, 1162/Del/93, 1163/Del/93, 1164/Del/93,

## —C—

1165/Del/93, 1166/Del/93, 1167/Del/93, 1168/Del/93, 1169/Del/93, 1179/Del/93, 1196/Del/93, 1197/Del/93, 1198/Del/93, 1199/Del/93, 1200/Del/93, 1201/Del/93, 1209/Del/93, 1235/Del/93, 1236/Del/93, 1237/Del/93, 1238/Del/93, 1239/Del/93, 1240/Del/93, 1241/Del/93, 1263/Del/93, 1264/Del/93, 1265/Del/93, 1403/Del/93, 1458/Del/93, 1459/Del/93, 1460/Del/93, 1461/Del/93, 1462/Del/93, 1463/Del/93, 1464/Del/93, 1465/Del/93, 1466/Del/93, 1467/Del/93, 1468/Del/93, 1469/Del/93, 1470/Del/93, 1479/Del/93, 1480/Del/93, 1481/Del/93, 1482/Del/93, 1483/Del/93, 1484/Del/93 and 1485/Del/93.

Courtaulds Coatings (Holdings) Ltd.—1170/Del/93.

Courtaulds Fibres Limited—1034/Del/93, 1063/Del/93 and 1146/Del/93.

Courtaulds PLC.—733/Del/93 and 761/Del/93.

Coventry University—685/Del/93.

## —D—

D. C. Transformation, Inc.—1065/Del/93.

Daicel Chemical Industries, Ltd.—833/Del/93.

Das, S. K.—1151/Del/93.

De Beers Industrial Diamond Division (Proprietary) Ltd.—1211/Del/93.

De La Rue Giori S. A.—720/Del/93, 721/Del/93, 722/Del/93, 1058/Del/93, 1328/Del/93 and 1329/Del/93.

Department of Atomic Energy an Autonomus Body, Govt. of India—964/Del/93, 965/Del/93 and 966/Del/93.

Deshpande, V. V.—924/Del/93.

Delecon Deutsche Telepost Consulting GmbH.—836/Del/93.

Dhonde, B. K.—1182/Del/93.

Director Research Design & Standards Organisation, Govt. of India—963/Del/93.

Domino Printing Sciences PLC.—1248/Del/93.

Dorr—Oliver Incorporated—923/Del/93.

Dowmus Pty. Ltd. ACN 010996915—1023/Del/93.

Dutt, S. P.—863/Del/93.

Duracell Inc.—874/Del/93.

## —E—

E. Khashoggi Industries—833/Del/93 and 1302/Del/93.

EVG Entwicklungs—U. Verwertungs—Gesellschaft m.b.H.—1077/Del/93.

Eastman Kodak Co.—718/Del/93 and 1082/Del/93.

Elsa Di De Santi Piero—1490/Del/93.

Engineers India Limited—877/Del/93.

Establishment Courant SA.—1427/Del/93.

Exxon Chemical Patents, Inc.—855/Del/93, 1074/Del/93, 1269/Del/93, 1321/Del/93, 1345/Del/93, 1349/Del/93, 1363/Del/93, 1364/Del/93, 1365/Del/93 and 1417/Del/93.

## —F—

Farshori, M. K.—1230/Del/93.

Ferodo Castrolon Limited—868/Del/93, 893/Del/93, 894/Del/93 and 895/Del/93.

Fjutowski, L. (Dr.)—751/Del/93.

Fjutowski, Z. (Dr.)—751/Del/93.

Food Sciences, Inc.—1389/Del/93.

Fording Coal Limited—1092/Del/93.

Fosdel International Ltd.—780/Del/93.

Fulgenzi, C. F.—1320/Del/93.

Fuiler Company—876/Del/93.

## —G—

GEC Alsthom T & D SA.—1014/Del/93, 1075/Del/93 and 1133/Del/93.

GPR Limited—689/Del/93.

G. S. Jam & Associates Pvt. Ltd.—771/Del/93.

G. Williams Fabrications Pvt. Ltd.—1303/Del/93.

Georuder Sucker & Franz Muller GmbH & Co.—969/Del/93.

General Electric Company—782/Del/93, 805/Del/93, 840/Del/93, 841/Del/93, 842/Del/93, 843/Del/93, 844/Del/93, 845/Del/93, 846/Del/93, 847/Del/93, 1185/Del/93, 1186/Del/93, 1187/Del/93 and 1378/Del/93.

General Electric Environmental Services, Inc.—1119/Del/93.

General Hospital Corporation, The—1001/Del/93.

General Tire, Inc.—854/Del/93 and 1132/Del/93.

Geon Co., The—740/Del/93.

Gimette Canada Inc.—1223/Del/93 and 1224/Del/93.

Gimette Company, The—1097/Del/93, 1125/Del/93, 1250/Del/93, 1406/Del/93 and 1456/Del/93.

Goodyear Tire & Rubber Co., The—814/Del/93 and 815/Del/93.

Gopal, R. 1294/Del/93.

Gujral, R. S.—1305/Del/93.

Gulf States Utilities Company—1336/Del/93.

Gupta, A.—1120/Del/93.

Gupta, A. (Dr.)—724/Del/93.

Gupta, B. K.—1013/Del/93 and 1120/Del/93.

Gupta, M. P.—1290/Del/93.

Gupta, O. P.—1126/Del/93.

## —H—

H—C Industries, Inc.—684/Del/93, 881/Del/93 and 1331/Del/93.

Hanay Chemicals Ltd.—784/Del/93.

Hanspal, G. S.—1229/Del/93.

Hari, P. K.—1454/Del/93.

Havell's India Ltd.—1398/Del/93 and 1399/Del/93.

Health Care Technology Australia Pty. Ltd.—1147/Del/93.

Hemagen/PFC—1325/Del/93.

Henderson, H. M.—1059/Del/93.

Herrtrampf, M.—1129/Del/93.

Holzer, W.—913/Del/93.

Honda Giken Kogyo Kabushiki Kaisha—942/Del/93, 943/Del/93, 944/Del/93, 945/Del/93, 947/Del/93, 948/Del/93, 1175/Del/93, 1300/Del/93, 1310/Del/93, 1429/Del/93, 1430/Del/93 and 1431/Del/93.

Honeywell Inc.—1029/Del/93.

Howa Machinery Ltd.—816/Del/93.

Howden Group PLC.—1281/Del/93.

Hughen, G. T.—1371/Del/93.

Hu, L.—1067/Del/93.

Hunter Douglas International, N. V.—1489/Del/93.

Hydra—Tight Limited—1210/Del/93.

Hyman, G.—1172/Del/93.

## —I—

ICI America Inc.—859/Del/93.

ICI Canada, Inc.—1115/Del/93 and 1116/Del/93.

ICI Explosives USA Inc.—1123/Del/93.

IO Research Pty. Ltd.—1335/Del/93.

Ide, R.D.—1040/Del/93.

Imperial Chemical Industries PLC.—831/Del/93, 832/Del/93, 1016/Del/93, 1177/Del/93, 1211/Del/93 and 1225/Del/93.

Indo—French Centre for the Promotion of Advanced Research—1433/Del/93.

Inductotherm Corporation—1231/Del/93.

Industrial Arte Technica S.A.—1496/Del/93.

Industrie Meccanotessili Marzoli S.r.l.—811/Del/93.

## —I—

Ingersoll—Rand Company—739/Del/93 and 817/Del/93.  
Inject Development Limited—773/Del/93.  
Institut National Polytechnique De Toulouse (I.N.P.T.)—1022/Del/93.  
International Business Machines Corporation—799/Del/93, 848/Del/93, 849/Del/93, 850/Del/93 and 1319/Del/93.  
Investigation Y Asesoramiento Técnico S.A.—1194/Del/93.  
Iron Carbide Holdings, Ltd.—1178/Del/93.  
Isap CMV Group S.P.A.—1304/Del/93.  
Ishtiaque, S.M.—1454/Del/93 and 1455/Del/93.

## —J—

JET, Incorporated—1289/Del/93.  
Jeney, P.—1428/Del/93.  
Jacobsen, A.N.—878/Del/93.  
John, P.I.—1384/Del/93 and 1385/Del/93.

## —K—

K-Swiss Inc.—1317/Del/93.  
K-Fron Technologies, Inc.—1190/Del/93 and 1191/Del/93.  
Kalra, K.D.—972/Del/93.  
Kanegafuchikagaku Kogyo Kabushiki Kaisha—797/Del/93.  
Kang, T.S.—998/Del/93 and 999/Del/93.  
Karl Fischer Industrieanlagen GmbH.—1243/Del/93 and 1258/Del/93.  
Kelvinator of India Ltd.—885/Del/93.  
Kennametal Inc.—1330/Del/93.  
King Format Limited—837/Del/93 and 838/Del/93.  
Koltz, J.A.—1320/Del/93.  
Konggaard, J.—1446/Del/93.  
Kraft General Foods, Inc.—955/Del/93 and 1375/Del/93.  
Kramer, A.H.—914/Del/93.  
Krishna Equipment Private Limited—1152/Del/93.  
Kuhl, H.—1037/Del/93.  
Kulev, G.I.—1390/Del/93.  
Kumar, C.S.P.—949/Del/93 and 950/Del/93.  
Kumar, S.—1027/Del/93.  
Kumar, V.—1497/Del/93.  
Kuribara, Y.—679/Del/93, 680/Del/93 and 681/Del/93.  
Kwong, D.S.—1181/Del/93.  
Kyle, J.H.—1051/Del/93.

## —L—

LMC Limited—1491/Del/93.  
Laboratoire Thermex—1081/Del/93.  
L'air Liquide, Societe Anonyme Pour L'Etude Et L'exploitation Des Procédes Georges Claude—1435/Del/93.  
Landis & Gyr Business Support AG.—927/Del/93.  
Langerbein—Scharf GmbH. & Co. KG.—796/Del/93 and 1451/Del/93.  
Laporte PLC.—1060/Del/93 and 1061/Del/93.  
Lepps, A.—1309/Del/93.  
Lubrizol Corporation, The—711/Del/93, 712/Del/93, 713/Del/93, 767/Del/93, 783/Del/93, 973/Del/93, 1057/Del/93, 1093/Del/93, 1094/Del/93 and 1360/Del/93.

## —M—

Mag Maschinen Und Apparatebau Aktiengesellschaft—1437/Del/93.  
Magma—Lab Inc—922/Del/93.  
Magma Coatings SDN BHD—779/Del/93.  
Malhotra, A.—988/Del/93.  
Malhotra, V.—988/Del/93.  
Malinovsky, I.G.—1390/Del/93.  
Mallik, K.N.—1043/Del/93 and 1050/Del/93.  
Mansour, M.N.—735/Del/93 and 736/Del/93.  
Matsushita Electric Works, Ltd.—839/Del/93.  
Manvin Material and Chemical Processing Limited—700/Del/93 and 317/Del/94.

McGaw, Inc.—1291/Del/93.  
McTaggart, S.I.—1253/Del/93.  
Microchill International Ltd.—1252/Del/93.  
Miklink International Ltd.—1216/Del/93.  
Millennium Technologies, Inc.—902/Del/93.  
Mintek—769/Del/93 and 867/Del/93.  
Miroevski, P.R.—1390/Del/93.  
Modi Xerox Limited—1026/Del/93.  
Morgan Construction Co.—731/Del/93, 734/Del/93, 785/Del/93 and 1488/Del/93.  
Morin, N.J.—1141/Del/93 and 1155/Del/93.  
Morton International, Inc.—1476/Del/93 and 1478/Del/93.  
Motorola Inc.—703/Del/93, 785/Del/93, 802/Del/93, 985/Del/93, 986/Del/93, 987/Del/93, 1012/Del/93, 1036/Del/93, 1073/Del/93, 1108/Del/93, 1109/Del/93, 1110/Del/93, 1121/Del/93, 1122/Del/93, 1142/Del/93, 1149/Del/93, 1183/Del/93, 1247/Del/93, 1267/Del/93, 1298/Del/93, 1358/Del/93, 1359/Del/93, 1380/Del/93, 1381/Del/93, 1396/Del/93, 1418/Del/93, 1473/Del/93, 1477/Del/93 and 1487/Del/93.  
Motorola Israel Limited—1144/Del/93.  
Motorola Lighting, Inc.—1148/Del/93.  
Motorola Limited—1099/Del/93 and 1180/Del/93.  
Mukherjee, A.K.—1027/Del/93.

## —N—

N.V. Bekaert S.A.—1326/Del/93.  
National Institute of Immunology—737/Del/93, 766/Del/93, 768/Del/93 and 926/Del/93.  
National Plastic Product—1004/Del/93.  
National Power PLC—1105/Del/93, 1106/Del/93, 1107/Del/93 and 1348/Del/93.  
National Research Development Corporation—752/Del/93, 753/Del/93, 915/Del/93, 916/Del/93, 984/Del/93, 1227/Del/93, 1228/Del/93, 1270/Del/93, 1271/Del/93, 1272/Del/93 and 1273/Del/93.  
National Thermal Power Corporation Ltd.—1386/Del/93.  
Nippon Thermostat Co. Ltd.—1318/Del/93.  
Nordson Corporation—1095/Del/93.  
Norsk Hydro A.S.—812/Del/93, 954/Del/93, 1259/Del/93, 1260/Del/93 and 1422/Del/93.  
Northern Engineering Industries PLC.—900/Del/93.  
Novatech, Inc.—705/Del/93.  
Nuchem Limited—1028/Del/93.  
Nuchem Plastics Limited—1080/Del/93.  
Nyc Trays Inc.—792/Del/93 and 804/Del/93.

## —O—

Oho, S.J.—723/Del/93.  
Orbital Engine Company (Australia) Pty. Ltd.—1443/Del/93.

## —P—

P Sc, Inc.—1266/Del/93.  
Pall Corporation—1333/Del/93.  
Parke, Davis & Company—1278/Del/93.  
Patent Promote Center Limited—1219/Del/93.  
Paul, E.H.—989/Del/93.  
Paul, T.B.—14/Del/93.  
Paul Wurth S.A.—1353/Del/93 and 1391/Del/93.  
Permaseal (Aust) Pty. Limited—1332/Del/93.  
Petersen Manufacturing Co. Inc.—1447/Del/93.  
Pfizer Hospital Products Groups, Inc.—1055/Del/93.  
Pharma-Mar, S.A.—Pharmar Pol. Ind. Tres Cantos—1054/Del/93.  
Piaggio Veicoli Europei S.P.A.—1356/Del/93.  
Pillai, M.V.—1309/Del/93.  
Plascon Technologies (Proprietary) Limited—1076/Del/93.  
Pollet Industrie—1442/Del/93.  
Polymer Papers Limited—1308/Del/93.

—P—

Maxair Technology, Inc.—1998/Del/93.  
 President of India—1372/Del/93.  
 Pressindustria S.P.A.—798 Del/93.  
 Prime Actuator Control Systems Limited—866/Del/93.  
 Procter & Gamble Co., The—691/Del/93, 692/Del/93, 693/Del/93, 694/Del/93, 695/Del/93, 696/Del/93, 714/Del/93, 715/Del/93, 716/Del/93, 725/Del/93, 726/Del/93, 727/Del/93, 765/Del/93, 776/Del/93, 777/Del/93, 778/Del/93, 787/Del/93, 788/Del/93, 789/Del/93, 790/Del/93, 791/Del/93, 818/Del/93, 851/Del/93, 852/Del/93, 853/Del/93, 854/Del/93, 886/Del/93, 887/Del/93, 888/Del/93, 889/Del/93, 890/Del/93, 891/Del/93, 937/Del/93, 938/Del/93, 939/Del/93, 940/Del/93, 941/Del/93, 951/Del/93, 952/Del/93, 957/Del/93, 977/Del/93, 978/Del/93, 979/Del/93, 980/Del/93, 981/Del/93, 982/Del/93, 983/Del/93, 1021/Del/93, 1038/Del/93, 1039/Del/93, 1053/Del/93, 1066/Del/93, 1101/Del/93, 1103/Del/93, 1112/Del/93, 1113/Del/93, 1138/Del/93, 1139/Del/93, 1184/Del/93, 1192/Del/93, 1204/Del/93, 1205/Del/93, 1206/Del/93, 1207/Del/93, 1208/Del/93, 1213/Del/93, 1214/Del/93, 1221/Del/93, 1222/Del/93, 1234/Del/93, 1297/Del/93, 1337/Del/93, 1338/Del/93, 1339/Del/93, 1340/Del/93, 1341/Del/93, 1342/Del/93, 1343/Del/93, 1344/Del/93, 1366/Del/93, 1367/Del/93, 1368/Del/93, 1369/Del/93, 1370/Del/93, 1409/Del/93, 1410/Del/93, 1411/Del/93, 1412/Del/93, 1413/Del/93, 1414/Del/93, 1415/Del/93, 1439/Del/93, 1440/Del/93, 1441/Del/93, 1450/Del/93 and 1453/Del/93.

—Q—

Qidwai, M.S.—699/Del/93.

—R—

R.S.P.D. Door Revolutionary Security Plus (1993) Ltd.—690 Del/93.  
 Rai, A.K.—1005/Del/93.  
 Rajasahan Electronics & Instruments Limited—1150/Del/93.  
 Ranpak Corporation—1024/Del/93 and 1401/Del/93.  
 Rastogi, P.—1220/Del/93.  
 Rawell Group Holdings Limited—920/Del/93.  
 Ray, J.M.—1232 Del/93.  
 Reichle + De—Massari AG.—764/Del/93, 892/Del/93 and 1379/Del/93.  
 Rem Chemicals, Inc.—934/Del/93.  
 Rescal International Limited Partnership—1193/Del/93 and 1407 Del/93.  
 Research Institute of Industrial Science and Technology Incorporated Foundation—1062/Del/93.  
 Richard Voss Grubenausbau GmbH.—1114/Del/93 and 1373/Del/93.  
 Richter Gedeon Vegyeszeti Gyar RT.—1158/Del/93.  
 Rittal-Werk Rudolf Loh GmbH & Co. KG.—1277/Del/93.  
 Rodger, C.F.—989 Del/93.  
 Rodgers, N.A.—1035/Del/93.  
 Rohm and Haas Company—744/Del/93, 750/Del/93, 754/Del/93, 755/Del/93, 756/Del/93, 757/Del/93, 758/Del/93, 759/Del/93, 770/Del/93, 917/Del/93, 918/Del/93, 1064/Del/93, 1072/Del/93, 1117/Del/93, 1157/Del/93, 1189/Del/93, 1202/Del/93, 1261/Del/93, 1374/Del/93, 1393/Del/93, 1397/Del/93, 1436/Del/93 and 1486/Del/93.  
 Rohm GmbH.—1405/Del/93.  
 Rossato, E.—760/Del/93.  
 Royal Appliance MFG. Co.—1449/Del/93 and 1492/Del/93.  
 Roy, J.M.—1420/Del/93 and 1457/Del/93.

S

Sabbarwal, S.P. (SH.)—949/Del/93 and 950/Del/93.  
 Saboo, D.P.—1257/Del/93.  
 Sachdev, A.K. (Dr)—1294/Del/94.  
 Safety TST, Inc.—1388 Del/93.  
 Sah Industrial Research Institute—1033/Del/93, 1283/Del/93, 1284/Del/93 and 1285/Del/93.

—S—

Sandurkov, I.—1475/Del/93.  
 Sanyo Electric Co. Ltd.—1430/Del/93.  
 Sanz, A.S.—1127 Del/93.  
 Saxena, G.K.—1153/Del/93.  
 Scootabout International Limited—1448/Del/93.  
 Secretary, Department of Science & Technology (Ministry of Science & Technology), The—884/Del/93, 896/Del/93 and 897 Del/93.  
 Sehgal, S. R. K.—1044/Del/93.  
 Sengupta, K. K.—1354/Del/93.  
 Sharma, M. M.—1493/Del/93 and 1494/Del/93.  
 Shell Internationale Research Maatschappij B. V.—1128/Del/93.  
 1280/Del/93 and 1394/Del/93.  
 Showa Denko K. K.—738/Del/93 and 903/Del/93.  
 Shriram Institute for Industrial Research—807/Del/93, 808/Del/93.  
 809/Del/93, 929/Del/93, 930/Del/93, 931/Del/93, 932/Del/93, 1006/Del/93, 1007/Del/93, 1008/Del/93, 1009/Del/93, 1010/Del/93, 1011/Del/93, 1306/Del/93 and 1307/Del/93.  
 Shvarey, I. P.—1390/Del/93.  
 Siemon Company, The—1314/Del/93.  
 Singh, B.—1044/Del/93.  
 Singh, H.—971/Del/93.  
 Singh, S.—970/Del/93.  
 Singh, S. B.—925/Del/93.  
 Singh, S. M.—925/Del/93.  
 Sin, L. H.—1275/Del/93.  
 Slegten—1171/Del/93.  
 Smiths Industries Public Limited Company—1361/Del/93.  
 Societe Olin—1279/Del/93.  
 Sony Corporation—919/Del/93, 1156/Del/93, 1321/Del/93.  
 Sony Corporation—919/Del/93, 1156/Del/93, 1321/Del/93, 1323 Del/93 and 1392/Del/93.  
 Southwire Company—1438/Del/93.  
 Sovmestnoe Bologaro—Rossiiskoe Predpriyatie "Romb-ool"—1351/Del/93.  
 Sovmestnoe Rossiisko—Germanskoe Predpriyatie "INBIO"—1351/Del/93.  
 Sriram, N.—1027/Del/93.  
 Srivastava, S.—976/Del/93.  
 Standyne Automotive Corp.—1347/Del/93.  
 Standard Oil Company, The—1203/Del/93.  
 Statomat Spezialmaschinen GmbH.—1416/Del/93.  
 Steel Authority of India Ltd.—1256/Del/93 and 1434/Del/93.  
 Stein Industrie—1357/Del/93 and 1444/Del/93.  
 Stewart, J. R.—1320/Del/93.  
 Straw Products Ltd.—1198/Del/93.  
 Suden, A. S.—1471/Del/93.  
 Sulzer Chemtech AG.—1268/Del/93.  
 Swampy, K. S. D.—735/Del/93 and 736/Del/93.

—T—

T. A. M. I. Industries—1425/Del/93.  
 Taggart, C. W.—1377/Del/93.  
 Tambrands, Inc.—1334/Del/93.  
 Tapriya, S.—864/Del/93.  
 Tasgaonkar, P. G.—697/Del/93, and 698/Del/93.  
 Technitrol Inc.—701/Del/93.  
 Technology Finance Corporation (Proprietary) Ltd.—762/Del/93.  
 Thermos Company, The—865/Del/93.  
 Torrington Company, The—687/Del/93 and 702/Del/93.  
 Trackmobile, Inc.—1217/Del/93.  
 Triveni Plastics—1159/Del/93.

—U—

UOP.—1020/Del/93.

Uniloc (Singapore) Private Limited—1049/Del/93.

Union National Des Groupements De Distillateurs D' Alcool (U.N.G.D.A.)—1246/Del/93.

Universal Electronics Inc.—1288/Del/93.

University of Cincinnati—1301/Del/93.

University of Hertfordshire—1282/Del/93.

Utah La Grange, Inc.—1472/Del/93.

—V—

VIRBAC—745/Del/93.

Verma, R. K.—1402/Del/93.

Verma, S. K.—1402/Del/93.

Verma, S. S. (Dr.)—1294/Del/93.

Victor Company of Japan, Ltd.—879/Del/93.

Voest—Alpine Industrieanlagenbau GmbH.—875/Del/93, 1062/Del/93 &amp; 1424/Del/93.

—W—

W. R. Grace &amp; Co.-Conn—704/Del/93 and 1382/Del/93.

W. R. Grace (THAILAND) Limited—1404/Del/93.

Warren, D. W.—735/Del/93 and 736/Del/93.

Whirlpool Corporation—800/Del/93, 801/Del/93, 1102/Del/93 and 1286/Del/93.

Whitaker Corporation, The—728/Del/93, 729/Del/93, 822/Del/93, 953/Del/93, 1000/Del/93, 1030/Del/93, 1031/Del/93, 1032/Del/93, 1070/Del/93, 1173/Del/93, 1287/Del/93, 1352/Del/93 and 1395/Del/93.

Wilkinson sword Gesellschaft Mit Beschränkter Haftung—741/Del/93. Woodford Feeds Limited—686/Del/93.

—Y—

Yamazaki, K. 1255/Del/93.

Yuen, H. C. C.—1181/Del/93, 1212/Del/93 and 1232/Del/93.

—Z—

Zeneca Limited—803/Del/93, 856/Del/93, 1293/Del/93, 1421/Del/93 &amp; 1426/Del/93.

## REGISTRATION OF DESIGN

The following designs have been registered. They are not open to inspection for period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1991.

The date shown in the each entries is the date of the registration included in the entries.

Class 3. No. 165680, 165684 and 165685, Kipril Products and Packagings Private Limited, Venu-Vimal House, 16, Road No. 9, M.I.D.C., Andheri (E), Bombay-400 093, A Pvt. Ltd. company incorporated under the Indian Companies Act, India, State of Maharashtra, "TOOTH BRUSH", 1st June 1993.

Class 3. No. 166168, Taurus Impressions, INC., a California Corporation, having a place of business at 1685 Plymouth street, Mountain View, California 94043,

United states of America, "DEBOSSMENT TAPE CARTRIDGE", 15th September 1993.

Class 3. No. 165775, Jogico Electricals, 62/1, Jawhar Nagar, Ludhiana 141002, Punjab, India, an Indian sole proprietary concern, "ELECTRIC PRESS", 22nd June 1993.

Class 3. No. 165323, Milton Plastics Ltd., a company incorporated under the companies act, 1956, having its registered office at 58D, Govt. Industrial Estate, Charkop, Kandivli (West) Bombay 400067, Maharashtra, India "MULTIPURPOSE CUP WITH NIPPLE ATTACHMENT", 12th February 1993.

Class 3. No. 166361, Baccarose Perfumes & Beauty Products Limited, at 66, Maker chambers VI, Nariman Point Bombay 400 210, Maharashtra, India, "CONTAINER", 13th October 1993.

Class 3. No. 166506, Sigma Merchants Pvt. Ltd., a body corporate registered under the provision of Companies Act, 1956, situated at No. 23, Armenian Street, Madras 600001, State of Tamil Nadu, India, "BOTTLE", 18th November 1993.

Class 3. No. 166560, Vidyut Metallics Ltd., a company registered under Indian companies Act, 1913, having its registered office at P. O. Wagle Industrial Estate, Thane 400604, Maharashtra, India, "RAZOR", 6th December 1993.

Class 3. No. 165759, Girnar Rubber Process a sole proprietary concern, of C/1/B-39, Vapi Industrial Township, Vapi, Dist.: Bulsar, Gujarat, India, "CASKET", 15th June 1993.

Class 3. No. 165874, Lakme Limited, an Indian company, having its registered office at Bombay House, 24 Homi Mody Street, Bombay 400001, Maharashtra, India, "CHAPSTICK TUBE", 15th July 1993.

Class 3. No. 166240, Caroma Industries Limited, an Australian Company, of 10 Market Street, Brisbane, Queensland 4000, Australia, "A CISTERN", 22nd September 1993.

Class 3. No. 166241, Caroma Industries Limited, an Australian Company, of 10 Market Street, Brisbane, Queensland 4000, Australia, "BUTTON ASSEMBLY FOR A DUAL FLUSH CISTERN", 22nd September 1993.

Class 3. No. 166266, Manak Chand Jain, of 41-A Virwani Industrial Estate, Goregaon (E), Bombay 400063, Maharashtra, India, Indian, "BALL PEN" 27th September 1993.

Class 3. No. 166280, Asian Advertisers, D 7, Road No. 16, M.I.D.C., Andheri (E), Bombay 400093, State of Maharashtra, India, Indian Partnership firm, "AIRSEAL CONTAINERS", 28th September 1993.

Class 3. No. 165906, Khaitan (India) Ltd., an Indian company of 46C, J. L. Nehru Road, Calcutta 700071, West Bengal, India, "AIR COOLER", 21st July 1993.

Class 3. No. 165317, Mrs. Shahnaz Husain, M-86, Greater Kailash-I, New Delhi, India, "BOTTLE", 11th February 1993.

R. A. ACHARYA  
Controller General of Patent, Design & Trade Marks

